



980

Wheel Loader

Technical Specifications

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

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980 Wheel Loader Specifications

Engine

Engine Model	Cat® C13	
Engine Power @ 1,700 rpm	313 kW	420 hp
ISO 14396:2002	426 hp (metric)	
Gross Power @ 1,700 rpm	317 kW	425 hp
SAE J1995:2014	431 hp (metric)	
Net Power @ 1,700 rpm	293 kW	393 hp
ISO 9249:2007, SAE J1349:2011	398 hp (metric)	
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 in³

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV 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.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - 20% biodiesel FAME (fatty acid methyl ester)***
 - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

* While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.

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

***Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Buckets

Bucket Capacities	4.0-14.5 m³	5.25-19.0 yd³
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Weight

Operating Weight	30 344 kg	66,877 lb
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- 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.

980 Wheel Loader Specifications

Hydraulic System

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 Payload:		
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
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Axles

Front	Fixed
Rear	Oscillating

Service Refill Capacities

Fuel Tank	426 L	112.5 gal
DEF Tank	21 L	5.5 gal
Cooling System	52 L	13.7 gal
Crankcase	37 L	9.8 gal
Transmission	77 L	20.3 gal
Differentials and Final Drives – Front	84 L	22.2 gal
Differentials and Final Drives – Rear	84 L	22.2 gal
Hydraulic Tank	153 L	40.4 gal

Cab

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

Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	109 dB(A)

*Including countries that adopt the EU and UK Directives

**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

Air Conditioning System

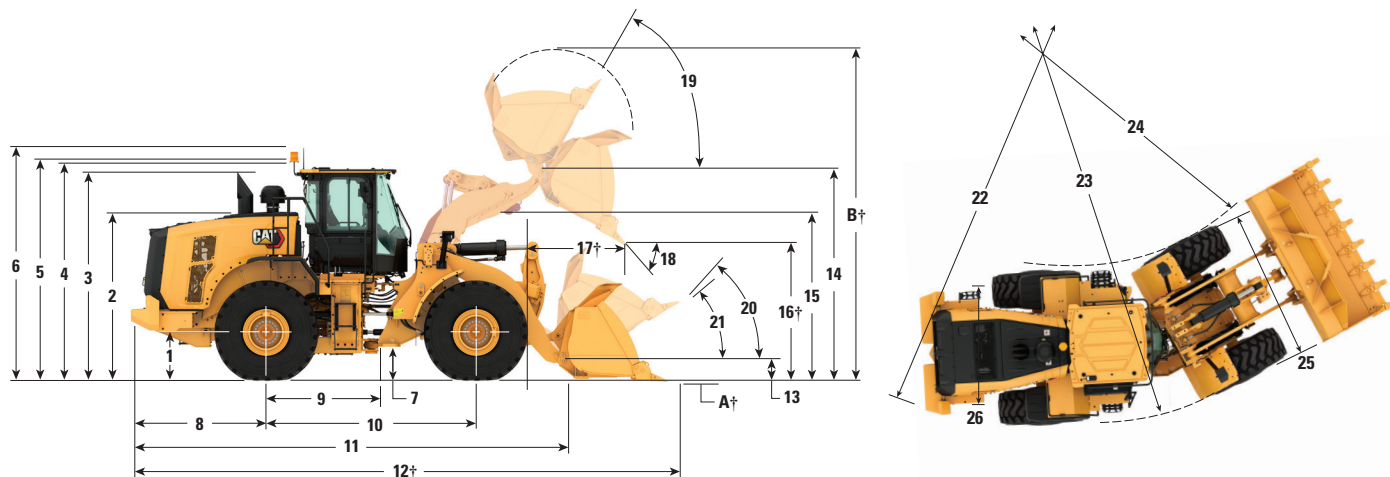
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO₂ equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

980 Wheel Loader Specifications

Dimensions

All dimensions are approximate.



	Standard 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"	2664 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	26'10"	8358 mm	27'5"
12 Shipping Length (with bucket level on ground)*†	9673 mm	31'9"	9878 mm	32'5"
13 Hinge Pin Height at Carry Height	632 mm	2'0"	682 mm	2'2"
14 Hinge Pin Height at Maximum Lift	4554 mm	14'11"	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 degrees		54 degrees	
19 Rack Back at Maximum Lift*	61 degrees		61 degrees	
20 Rack Back at Carry Height*	48 degrees		50 degrees	
21 Rack Back at Ground*	40 degrees		40 degrees	
22 Clearance Circle (dia) to Counterweight	13 692 mm	45'0"	13 722 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)

980 Wheel Loader Specifications

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	L-5	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 (average of front and rear)		-7 mm -0.3"	-6 mm -0.2"	5 mm 0.2"	-23 mm -0.9"	-40 mm -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 (average of front and rear)	4 mm 0.1"	20 mm 0.8"	-19 mm -0.8"	-33 mm -1.3"	-6 mm -0.2"	9 mm 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"
Change in Clearance Circle to Outside of Tires	41 mm 1.6"	15 mm 0.6"	30 mm 1.2"	22 mm 0.9"	44 mm 1.7"	-30 mm -1.2"
Change in Clearance Circle to Inside of Tires	-41 mm -1.6"	-15 mm -0.6"	-30 mm -1.2"	-22 mm -0.9"	-44 mm -1.7"	30 mm 1.2"
Change in Operating Weight (without Ballast)	500 kg 1,103 lb	708 kg 1,561 lb	-528 kg -1,164 lb	-388 kg -856 lb	252 kg 556 lb	5772 kg 12,727 lb
Change in Static Tipping Load – Straight	380 kg 838 lb	538 kg 1,187 lb	-402 kg -885 lb	-295 kg -651 lb	192 kg 423 lb	4390 kg 9,679 lb
Change in Static Tipping Load – Articulated	331 kg 730 lb	469 kg 1,033 lb	-350 kg -771 lb	-257 kg -566 lb	167 kg 368 lb	3821 kg 8,425 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±8 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"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

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Tire Options

Tire Brand	MICHELIN	BRIDGESTONE	BRIDGESTONE	MAXAM	MICHELIN
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4	L-5
Tread Pattern	XHA2	VTS	VLTS	MS405DX	XTRA POWER
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"	3341 mm 11'0"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"	3365 mm 11'1"
Change in Vertical Dimensions (average of front and rear)	-25 mm -1"	-19 mm -0.8"	-16 mm -0.6"	-34 mm -1.3"	-8 mm -0.3"
Change in Horizontal Reach	18 mm 0.7"	20 mm 0.8"	19 mm 0.7"	19 mm 0.7"	-1 mm 0"
Change in Clearance Circle to Outside of Tires	124 mm 4.9"	99 mm 3.9"	106 mm 4.2"	122 mm 4.8"	105 mm 4.1"
Change in Clearance Circle to Inside of Tires	-124 mm -4.9"	-99 mm -3.9"	-106 mm -4.2"	-122 mm -4.8"	-105 mm -4.1"
Change in Operating Weight (without Ballast)	-40 kg -88 lb	240 kg 529 lb	316 kg 697 lb	308 kg 679 lb	484 kg 1,067 lb
Change in Static Tipping Load – Straight	-30 kg -67 lb	183 kg 402 lb	240 kg 530 lb	234 kg 516 lb	368 kg 812 lb
Change in Static Tipping Load – Articulated	-26 kg -58 lb	159 kg 350 lb	209 kg 461 lb	204 kg 450 lb	320 kg 706 lb
Rear Axle Oscillation Angle	±8 degrees	±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"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

980 Wheel Loader Specifications

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 7546:1983 rated capacity.

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

Material Density			kg/m³	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
Standard Linkage	Pin On	General Purpose	5.4 m³ (7 yd³)								6.2 m³ (8 yd³)				5.4 m³ (7 yd³)				
			5.7 m³ (7.5 yd³)						6.6 m³ (8.5 yd³)				5.7 m³ (7.5 yd³)						
			6 m³ (7.75 yd³)					6.9 m³ (9 yd³)				6 m³ (7.75 yd³)							
			6.4 m³ (8.25 yd³)				7.4 m³ (9.75 yd³)				6.4 m³ (8.25 yd³)								
	Hook On	General Purpose	5.4 m³ (7 yd³)						6.2 m³ (8 yd³)				5.4 m³ (7 yd³)						
			5.7 m³ (7.5 yd³)					6.6 m³ (8.5 yd³)				5.7 m³ (7.5 yd³)							
High Lift	Pin On	General Purpose	5.4 m³ (7 yd³)							6.2 m³ (8 yd³)				5.4 m³ (7 yd³)					
			5.7 m³ (7.5 yd³)						6.6 m³ (8.5 yd³)				5.7 m³ (7.5 yd³)						
			6 m³ (7.75 yd³)					6.9 m³ (9 yd³)				6 m³ (7.75 yd³)							
			6.4 m³ (8.25 yd³)				7.4 m³ (9.75 yd³)				6.4 m³ (8.25 yd³)								
Aggregate Handler	Pin On	General Purpose	5.4 m³ (7 yd³)								6.2 m³ (8 yd³)				5.4 m³ (7 yd³)				
			5.7 m³ (7.5 yd³)							6.6 m³ (8.5 yd³)				5.7 m³ (7.5 yd³)					
			6 m³ (7.75 yd³)						6.9 m³ (9 yd³)				6 m³ (7.75 yd³)						
			6.4 m³ (8.25 yd³)					7.4 m³ (9.75 yd³)				6.4 m³ (8.25 yd³)							
Material Density			lb/yd³	1,517	1,685	1,854	2,022	2,191	2,359	2,528	2,696	2,865	3,033	3,202	3,370	3,539	3,707	3,876	4,044
Bucket Fill Factor 115% 110% 105% 100% 95%																			



Note: All buckets are showing Bolt-On Edges.

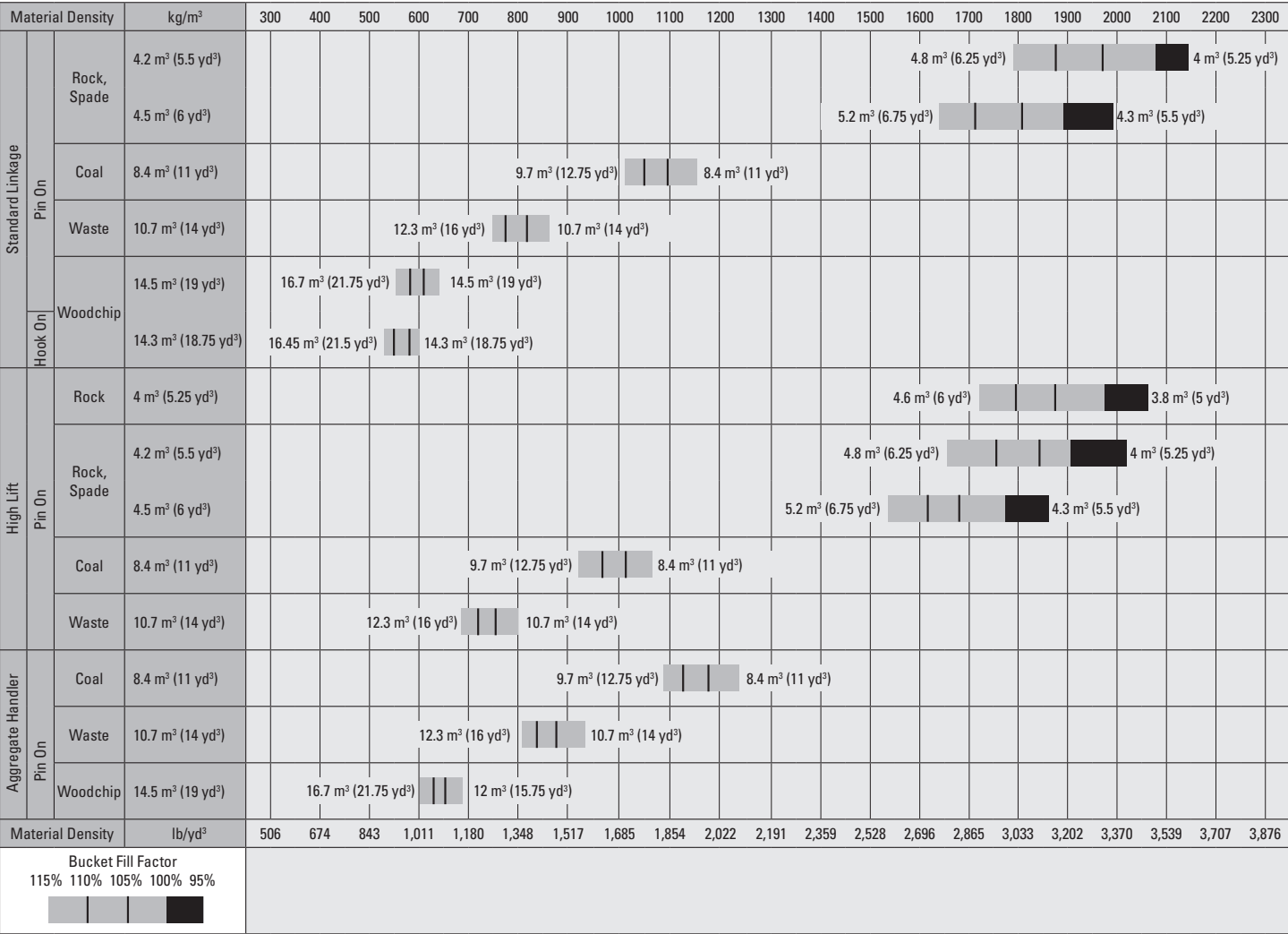
980 Wheel Loader Specifications

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 7546:1983 rated capacity.
Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

980 Wheel Loader Specifications

Operating Specifications – Buckets

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

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

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Operating Specifications – Buckets

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

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin On – Abrasion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	5.70	5.70	6.00	6.00
	yd ³	7.50	7.50	7.75	7.75
Capacity – Rated at 110% Fill Factor	m ³	6.30	6.30	6.60	6.60
	yd ³	8.25	8.25	8.75	8.75
Width	mm	3447	3535	3447	3546
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3219	3051	3201	3037
	ft/in	10'6"	10'0"	10'6"	9'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1529	1664	1550	1685
	ft/in	5'0"	5'5"	5'1"	5'6"
Reach at Level Lift Arm and Bucket Level	mm	3050	3261	3077	3286
	ft/in	10'0"	10'8"	10'1"	10'9"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9757	9999	9784	10 021
	ft/in	32'1"	32'10"	32'2"	32'11"
B† Overall Height with Bucket at Maximum Lift	mm	6258	6258	6524	6524
	ft/in	20'7"	20'7"	21'5"	21'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7635	7749	7642	7760
	ft/in	25'1"	25'6"	25'1"	25'6"
Static Tipping Load, Straight (ISO)*	kg	22 405	22 218	22 350	22 189
	lb	49,381	48,969	49,259	48,906
Static Tipping Load, Straight (Rigid Tire)*	kg	23 815	23 626	23 754	23 592
	lb	52,489	52,073	52,355	51,998
Static Tipping Load, Articulated (ISO)*	kg	19 319	19 132	19 279	19 118
	lb	42,580	42,167	42,491	42,137
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 579	20 390	20 535	20 373
	lb	45,357	44,941	45,259	44,903
Breakout Force (§)	kN	213	211	210	208
	lbf	48,005	47,485	47,198	46,738
Operating Weight*	kg	30 573	30 711	30 522	30 639
	lb	67,382	67,687	67,269	67,528

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage		
Bucket Type		Flat Floor – Pin On		Flat Floor – Pin On – Light Material (Coal)
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m ³	5.70	5.70	8.20
	yd ³	7.50	7.50	10.75
Capacity – Rated at 110% Fill Factor	m ³	6.30	6.30	9.00
	yd ³	8.25	8.25	11.75
Width	mm	3447	3535	3638
	ft/in	11'3"	11'7"	11'11"
16 † Dump Clearance at Maximum Lift and 45° Discharge	mm	3120	2943	2931
	ft/in	10'2"	9'7"	9'7"
17 † Reach at Maximum Lift and 45° Discharge	mm	1444	1566	1625
	ft/in	4'8"	5'1"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3075	3286	3336
	ft/in	10'1"	10'9"	10'11"
A † Digging Depth	mm	88	88	93
	in	3.4"	3.4"	3.6"
12 † Overall Length	mm	9782	10 024	10047
	ft/in	32'2"	32'11"	33'0"
B † Overall Height with Bucket at Maximum Lift	mm	6257	6257	6551
	ft/in	20'7"	20'7"	21'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7642	7756	7805
	ft/in	25'1"	25'6"	25'8"
Static Tipping Load, Straight (ISO)*	kg	22 062	21 878	21 810
	lb	48,626	48,220	48,069
Static Tipping Load, Straight (Rigid Tire)*	kg	23 432	23 246	23 281
	lb	51,644	51,234	51,313
Static Tipping Load, Articulated (ISO)*	kg	19 030	18 846	18 738
	lb	41,943	41,536	41,300
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 254	20 068	20 060
	lb	44,640	44,230	44,213
Breakout Force (§)	kN	210	208	177
	lbf	47,288	46,772	39,906
Operating Weight*	kg	30 552	30 690	30 931
	lb	67,336	67,641	68,171

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage	
Bucket Type		Rock, Spade*** – Pin On	
Edge Type		Teeth and Segments	Teeth and Segments
Capacity – Rated	m ³	4.40	4.50
	yd ³	5.75	6.00
Capacity – Rated at 110% Fill Factor	m ³	4.80	5.00
	yd ³	6.25	6.50
Width	mm	3524	3524
	ft/in	11'6"	11'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3134	3134
	ft/in	10'3"	10'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1768	1768
	ft/in	5'9"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3278	3278
	ft/in	10'9"	10'9"
A† Digging Depth	mm	83	83
	in	3.2"	3.2"
12† Overall Length	mm	9990	9990
	ft/in	32'10"	32'10"
B† Overall Height with Bucket at Maximum Lift	mm	6209	6209
	ft/in	20'5"	20'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7738	7738
	ft/in	25'5"	25'5"
Static Tipping Load, Straight (ISO)*	kg	23 435	23 076
	lb	51,651	50,874
Static Tipping Load, Straight (Rigid Tire)*	kg	24 871	24 523
	lb	54,817	54,064
Static Tipping Load, Articulated (ISO)*	kg	20 232	19 867
	lb	44,593	43,801
Static Tipping Load, Articulated (Rigid Tire)*	kg	21 513	21 158
	lb	47,415	46,646
Breakout Force (§)	kN	213	211
	lbf	47,885	47,563
Operating Weight*	kg	31 030	31 455
	lb	68,390	69,345

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		General Purpose – Hook On – Fusion™			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	5.40	5.40	5.70	5.70
	yd ³	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	6.30	6.30
	yd ³	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3183	3017	3117	2950
	ft/in	10'5"	9'10"	10'2"	9'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1588	1724	1640	1775
	ft/in	5'2"	5'7"	5'4"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3116	3327	3200	3411
	ft/in	10'2"	10'11"	10'6"	11'2"
A† Digging Depth	mm	93	93	93	93
	in	3.6"	3.6"	3.6"	3.6"
12† Overall Length	mm	9827	10 069	9911	10 153
	ft/in	32'3"	33'1"	32'7"	33'4"
B† Overall Height with Bucket at Maximum Lift	mm	6532	6532	6599	6599
	ft/in	21'6"	21'6"	21'8"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7694	7817	7721	7845
	ft/in	25'3"	25'8"	25'4"	25'9"
Static Tipping Load, Straight (ISO)*	kg	21 361	21 177	21 136	20 950
	lb	47,080	46,674	46,584	46,175
Static Tipping Load, Straight (Rigid Tire)*	kg	22 728	22 542	22 511	22 324
	lb	50,092	49,682	49,615	49,202
Static Tipping Load, Articulated (ISO)*	kg	18 354	18 169	18 140	17 954
	lb	40,452	40,046	39,981	39,572
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 576	19 390	19 372	19 185
	lb	43,147	42,737	42,697	42,284
Breakout Force (§)	kN	203	201	193	190
	lbf	45,829	45,315	43,399	42,894
Operating Weight*	kg	31 086	31 224	31 196	31 334
	lb	68,513	68,817	68,755	69,060

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Pin On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	5.40	5.40	5.70	5.70
	yd ³	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	6.30	6.30
	yd ³	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3508	3342	3439	3272
	ft/in	11'6"	10'11"	11'3"	10'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1484	1621	1532	1667
	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3126	3337	3210	3421
	ft/in	10'3"	10'11"	10'6"	11'2"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9879	10 118	9963	10 202
	ft/in	32' 5"	33'3"	32'9"	33'6"
B† Overall Height with Bucket at Maximum Lift	mm	6656	6656	6478	6478
	ft/in	21'11"	21'11"	21'4"	21'4"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8114	8226	8137	8250
	ft/in	26'8"	27'0"	26'9"	27'1"
Static Tipping Load, Straight (ISO)*	kg	22 323	22 140	22 084	21 899
	lb	49,214	48,810	48,686	48,281
Static Tipping Load, Straight (Rigid Tire)*	kg	23 629	23 444	23 391	23 205
	lb	52,093	51,686	51,569	51,159
Static Tipping Load, Articulated (ISO)*	kg	19 613	19 430	19 388	19 204
	lb	43,239	42,835	42,744	42,338
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 802	20 617	20 580	20 394
	lb	45,860	45,453	45,371	44,961
Breakout Force (§)	kN	230	228	217	215
	lbf	51,790	51,288	48,874	48,382
Operating Weight*	kg	31 119	31 257	31 202	31 340
	lb	68,604	68,909	68,787	69,092

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Pin On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	6.00	6.00	6.40	6.40
	yd ³	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	m ³	6.60	6.60	7.00	7.00
	yd ³	8.75	8.75	9.25	9.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3421	3254	3366	3198
	ft/in	11'2"	10'8"	11'0"	10'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1554	1688	1606	1740
	ft/in	5'1"	5'6"	5'3"	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3238	3449	3315	3526
	ft/in	10'7"	11'3"	10'10"	11'6"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9991	10 230	10 068	10 307
	ft/in	32'10"	33'7"	33'1"	33'10"
B† Overall Height with Bucket at Maximum Lift	mm	6504	6504	6824	6824
	ft/in	21'5"	21'5"	22'5"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8144	8258	8166	8279
	ft/in	26'9"	27'2"	26'10"	27'2"
Static Tipping Load, Straight (ISO)*	kg	21 944	21 760	21 773	21 588
	lb	48,379	47,972	48,002	47,593
Static Tipping Load, Straight (Rigid Tire)*	kg	23 253	23 067	23 090	22 902
	lb	51,265	50,855	50,905	50,491
Static Tipping Load, Articulated (ISO)*	kg	19 252	19 068	19 092	18 906
	lb	42,445	42,038	42,091	41,681
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 446	20 260	20 294	20 106
	lb	45,077	44,667	44,741	44,327
Breakout Force (§)	kN	213	211	202	200
	lbf	47,911	47,422	45,577	45,097
Operating Weight*	kg	31 298	31 436	31 360	31 498
	lb	68,999	69,304	69,135	69,440

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets (continued)

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Pin On – Abrasion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	6.00	6.00	6.40	6.40
	yd ³	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	m ³	6.60	6.60	7.00	7.00
	yd ³	8.75	8.75	9.25	9.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3421	3254	3366	3198
	ft/in	11'2"	10'8"	11'0"	10'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1554	1688	1606	1740
	ft/in	5'1"	5'6"	5'3"	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3238	3449	3315	3526
	ft/in	10'7"	11'3"	10'10"	11'6"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9991	10 230	10 068	10 307
	ft/in	32'10"	33'7"	33'1"	33'10"
B† Overall Height with Bucket at Maximum Lift	mm	6504	6504	6824	6824
	ft/in	21'5"	21'5"	22'5"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8144	8258	8166	8279
	ft/in	26'9"	27'2"	26'10"	27'2"
Static Tipping Load, Straight (ISO)*	kg	21 944	21 760	21 773	21 588
	lb	48,379	47,972	48,002	47,593
Static Tipping Load, Straight (Rigid Tire)*	kg	23 253	23 067	23 090	22 902
	lb	51,265	50,855	50,905	50,491
Static Tipping Load, Articulated (ISO)*	kg	19 252	19 068	19 092	18 906
	lb	42,445	42,038	42,091	41,681
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 446	20 260	20 294	20 106
	lb	45,077	44,667	44,741	44,327
Breakout Force (§)	kN	213	211	202	200
	lbf	47,911	47,422	45,577	45,097
Operating Weight*	kg	31 298	31 436	31 360	31 498
	lb	68,999	69,304	69,135	69,440

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage		
Bucket Type		Flat Floor – Pin On		Flat Floor – Pin On – Light Material (Coal)
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m ³	5.70	5.70	8.20
	yd ³	7.50	7.50	10.75
Capacity – Rated at 110% Fill Factor	m ³	6.30	6.30	9.00
	yd ³	8.25	8.25	11.75
Width	mm	3447	3535	3638
	ft/in	11' 3"	11' 7"	11'11"
16 † Dump Clearance at Maximum Lift and 45° Discharge	mm	3340	3163	3152
	ft/in	10' 11"	10' 4"	10'4"
17 † Reach at Maximum Lift and 45° Discharge	mm	1447	1569	1628
	ft/in	4' 8"	5' 1"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3235	3446	3496
	ft/in	10' 7"	11' 3"	11'5"
A † Digging Depth	mm	86	86	91
	in	3.4"	3.4"	3.6"
12 † Overall Length	mm	9988	10227	10 252
	ft/in	32' 10"	33' 7"	33'8"
B † Overall Height with Bucket at Maximum Lift	mm	6477	6477	6771
	ft/in	21' 3"	21' 3"	22'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8143	8257	8305
	ft/in	26' 9"	27' 2"	27'3"
Static Tipping Load, Straight (ISO)*	kg	21612	21430	21 313
	lb	47,647	47,247	46,989
Static Tipping Load, Straight (Rigid Tire)*	kg	22882	22699	22 672
	lb	50,448	50,044	49,983
Static Tipping Load, Articulated (ISO)*	kg	18961	18779	18 633
	lb	41,802	41,401	41,080
Static Tipping Load, Articulated (Rigid Tire)*	kg	20119	19935	19 877
	lb	44,355	43,951	43,822
Breakout Force (§)	kN	213	211	180
	lbf	48,019	47,530	40,540
Operating Weight*	kg	31327	31465	31 706
	lb	69,062	69,367	69,898

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage	
Bucket Type		Rock, Spade*** – Pin On	
Edge Type		Teeth and Segments	Teeth and Segments
Capacity – Rated	m ³	4.40	4.70
	yd ³	5.75	6.25
Capacity – Rated at 110% Fill Factor	m ³	4.80	5.20
	yd ³	6.25	6.75
Width	mm	3524	3524
	ft/in	11'6"	11'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3353	3354
	ft/in	11'0"	11'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1770	1770
	ft/in	5'9"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3439	3438
	ft/in	11'3"	11'3"
A† Digging Depth	mm	81	81
	in	3.2"	3.2"
12† Overall Length	mm	10 197	10 196
	ft/in	33'6"	33'6"
B† Overall Height with Bucket at Maximum Lift	mm	6422	6414
	ft/in	21'1"	21'1"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8240	8240
	ft/in	27'1"	27'1"
Static Tipping Load, Straight (ISO)*	kg	22 915	22 533
	lb	50,520	49,678
Static Tipping Load, Straight (Rigid Tire)*	kg	24 244	23 863
	lb	53,449	52,610
Static Tipping Load, Articulated (ISO)*	kg	20 122	19 755
	lb	44,362	43,553
Static Tipping Load, Articulated (Rigid Tire)*	kg	21 330	20 966
	lb	47,025	46,222
Breakout Force (§)	kN	216	215
	lbf	48,628	48,436
Operating Weight*	kg	31 805	32 101
	lb	70,117	70,771

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Hook On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m ³	5.40	5.40	5.70	5.70
	yd ³	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m ³	5.90	5.90	6.30	6.30
	yd ³	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3481	3546
	ft/in	11'3"	11'7"	11'5"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3403	3237	3339	3175
	ft/in	11'2"	10'7"	10'11"	10'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1591	1727	1641	1776
	ft/in	5'2"	5'8"	5'4"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3276	3487	3358	3567
	ft/in	10'8"	11'5"	11'0"	11'8"
A† Digging Depth	mm	91	91	91	91
	in	3.6"	3.6"	3.6"	3.6"
12† Overall Length	mm	10 032	10 272	10 114	10 349
	ft/in	32'11"	33'9"	33'3"	34'0"
B† Overall Height with Bucket at Maximum Lift	mm	6752	6752	6820	6820
	ft/in	22'2"	22'2"	22'5"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8199	8321	8240	8351
	ft/in	26'11"	27'4"	27'1"	27'5"
Static Tipping Load, Straight (ISO)*	kg	20 917	20 736	20 674	20 517
	lb	46,115	45,715	45,579	45,233
Static Tipping Load, Straight (Rigid Tire)*	kg	22 185	22 002	21 946	21 787
	lb	48,910	48,506	48,382	48,034
Static Tipping Load, Articulated (ISO)*	kg	18 288	18 106	18 055	17 898
	lb	40,318	39,918	39,805	39,460
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 444	19 261	19 217	19 058
	lb	42,867	42,464	42,366	42,017
Breakout Force (§)	kN	207	204	196	194
	lbf	46,546	46,058	44,107	43,681
Operating Weight*	kg	31 861	31 999	31 983	32 101
	lb	70,240	70,545	70,510	70,770

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

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

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

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

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets (continued)

Linkage		Aggregate Handler Linkage		
Bucket Type		Flat Floor – Pin On		Flat Floor – Pin On – Light Material (Coal)
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m ³	5.70	5.70	8.20
	yd ³	7.50	7.50	10.75
Capacity – Rated at 110% Fill Factor	m ³	6.30	6.30	9.00
	yd ³	8.25	8.25	11.75
Width	mm	3447	3535	3638
	ft/in	11'3"	11'7"	11'11"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3120	2943	2931
	ft/in	10'2"	9'7"	9'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1444	1566	1625
	ft/in	4'8"	5'1"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3075	3286	3336
	ft/in	10'1"	10'9"	10'11"
A† Digging Depth	mm	88	88	93
	in	3.4"	3.4"	3.6"
12† Overall Length	mm	9786	10 028	10 051
	ft/in	32'2"	32'11"	33'0"
B† Overall Height with Bucket at Maximum Lift	mm	6257	6257	6551
	ft/in	20'7"	20'7"	21'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7642	7756	7805
	ft/in	25'1"	25'6"	25'8"
Static Tipping Load, Straight (ISO)*	kg	23 621	23 437	23 380
	lb	52,061	51,655	51,530
Static Tipping Load, Straight (Rigid Tire)*	kg	25 111	24 925	24 984
	lb	55,346	54,936	55,065
Static Tipping Load, Articulated (ISO)*	kg	20 307	20 122	20 023
	lb	44,757	44,350	44,131
Static Tipping Load, Articulated (Rigid Tire)*	kg	21 661	21 475	21 486
	lb	47,741	47,330	47,356
Breakout Force (§)	kN	210	208	177
	lbf	47,288	46,772	39,906
Operating Weight*	kg	31 193	31 331	31 572
	lb	68,749	69,054	69,584

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

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

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, powertrain 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.

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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1830
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15570
		lbs	34316
	Static Tipping Load - Articulated (Forks Level)	kg	13586
		lbs	29943
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6793
		lbs	14971
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8151
		lbs	17966
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8327
		lbs	18352
3	Maximum Overall Length	mm	10442
		in	411.1
4	Reach with Forks at Ground Level	mm	1199
		in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
		in	71.2
7	Reach with Fork at Maximum Height	mm	883
		in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
		in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4292
		in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676
		in	105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	5246
		lbs	11562
	Operating Weight	kg	29081
		lbs	64093

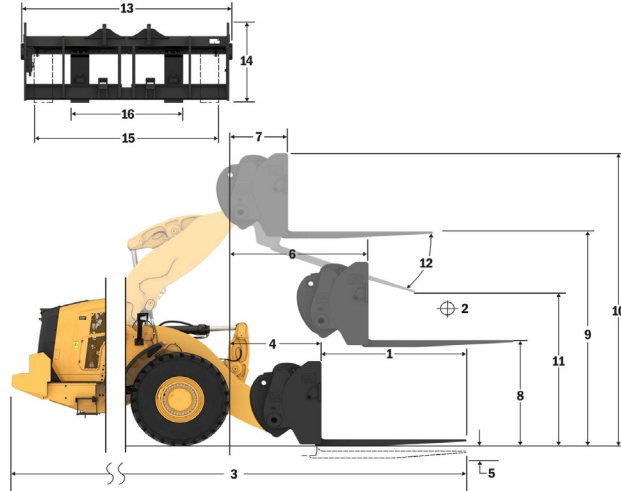
*Negative values indicate below grade

980 STD

Pallet Fork, FUSION

87" Carriage 72" Tine

530-1861 530-1869

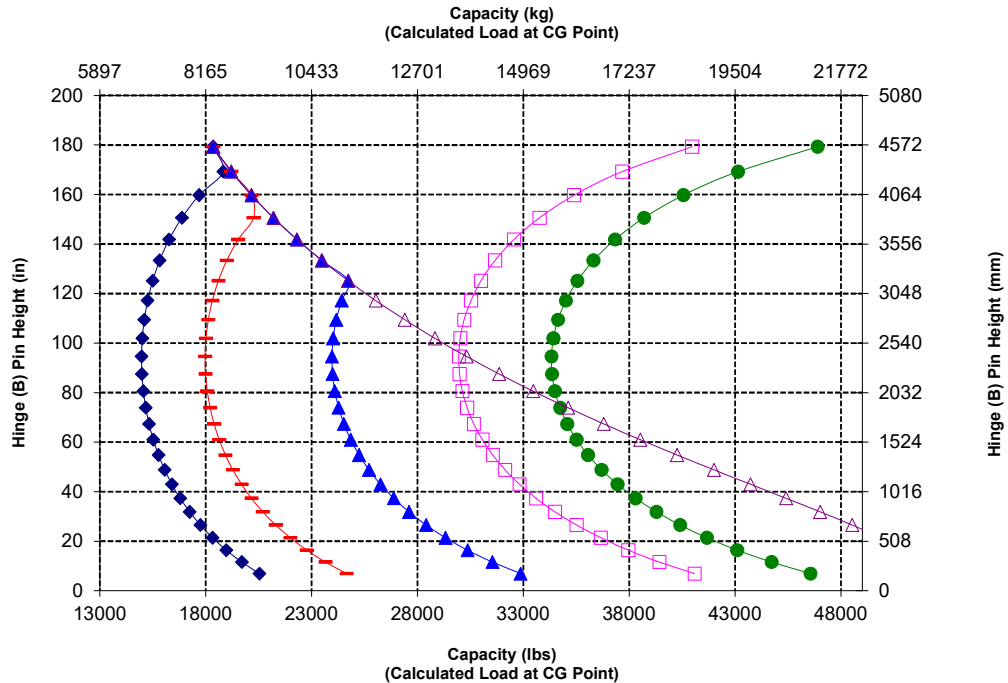


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone® VSNLT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kq	15292
		lbs	33703
	Static Tipping Load - Articulated (Forks Level)	kq	13299
		lbs	29312
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6650
		lbs	14656
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7980
		lbs	17587
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	8691
		lbs	19155
3	Maximum Overall Length	mm	10383
		in	408.8
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
		in	102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	14800
		lbs	32619
	Operating Weight	kq	29520
		lbs	65061

*Negative values indicate below grade

980 STD

Construction Fork, FUSION

108" Carriage

520-7968

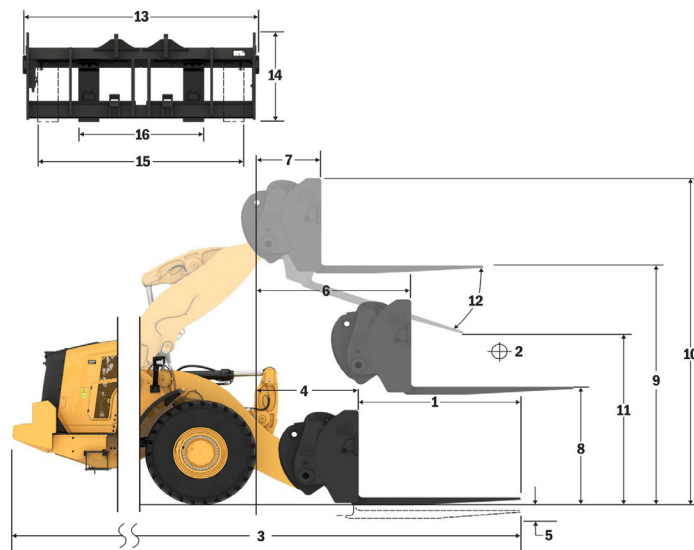
72" Tine

520-7979

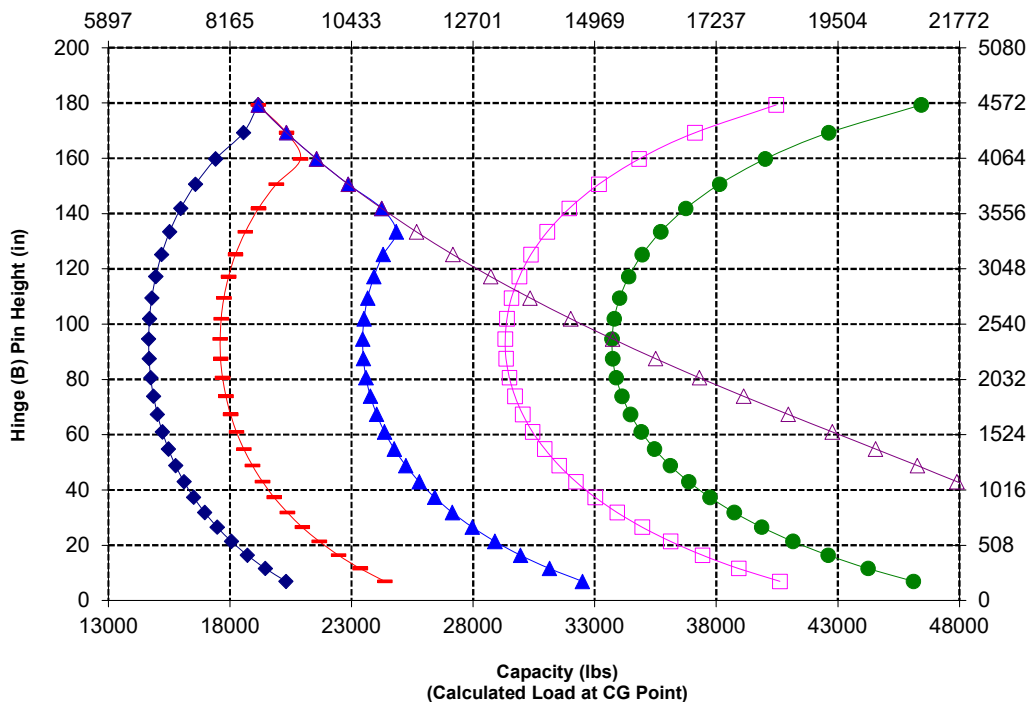
*Build 14A

*Parallel Z-Bar Linkage

*Standard Lift Configuration



Capacity (kg)
(Calculated Load at CG Point)



Fork Specifications

Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kq lbs	7759 32227
	Static Tipping Load - Articulated (Forks Level)	kq lbs	12709 28010
	Rated Load (SAE J1197 - 50% FTSTL)	kq lbs	6354 14005
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq lbs	7625 16806
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq lbs	7759 17102
3	Maximum Overall Length	mm in	10688 420.8
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kq lbs	12700 27991
	Operating Weight	kq lbs	29582 65199

*Negative values indicate below grade

980 STD

Construction Fork, FUSION

108" Carriage

84" Tine

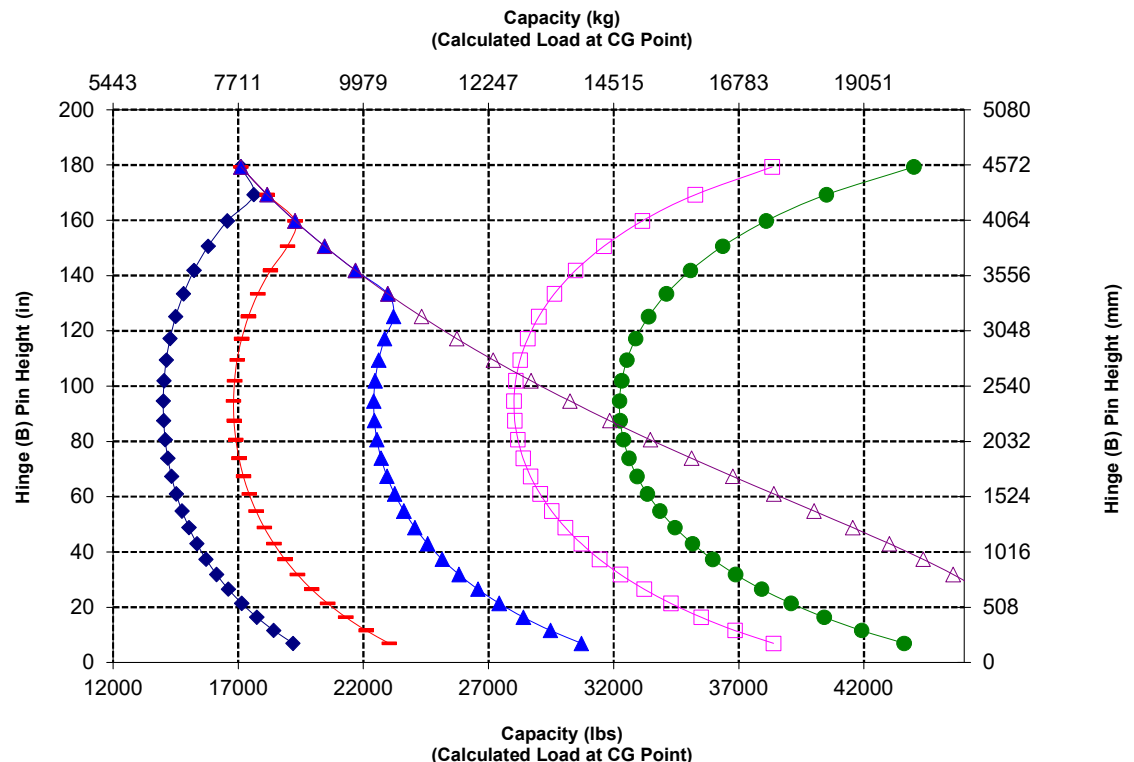
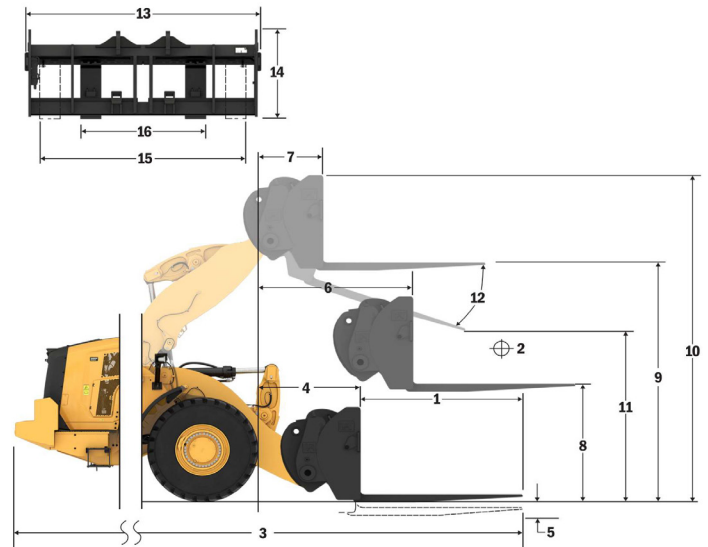
520-7968

520-7986

***Build 14A**

***Parallel Z-Bar Linkage**

***Standard Lift Configuration**



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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kq	14267
		lbs	31445
	Static Tipping Load - Articulated (Forks Level)	kq	12355
		lbs	27231
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6178
		lbs	13615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7413
		lbs	16338
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	7914
		lbs	17442
3	Maximum Overall Length	mm	10713
		in	421.8
4	Reach with Forks at Ground Level	mm	1166
		in	45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
		in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7
7	Reach with Fork at Maximum Height	mm	869
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
		in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm	2247
		in	88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	17729
		lbs	39075
	Operating Weight	kq	30060
		lbs	66251

*Negative values indicate below grade

980 STD

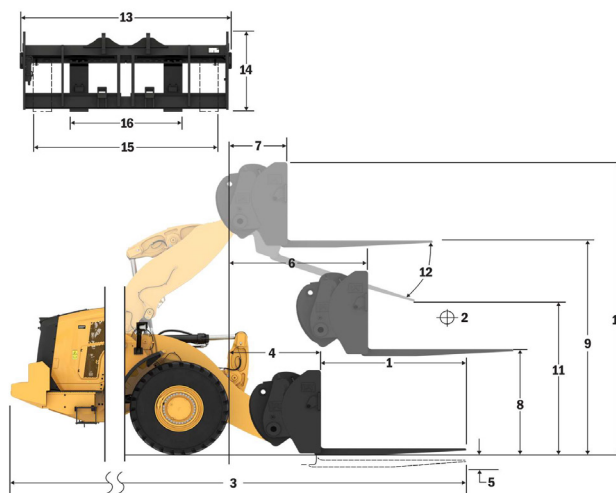
Construction Fork, HD, FUSION

108" Carriage

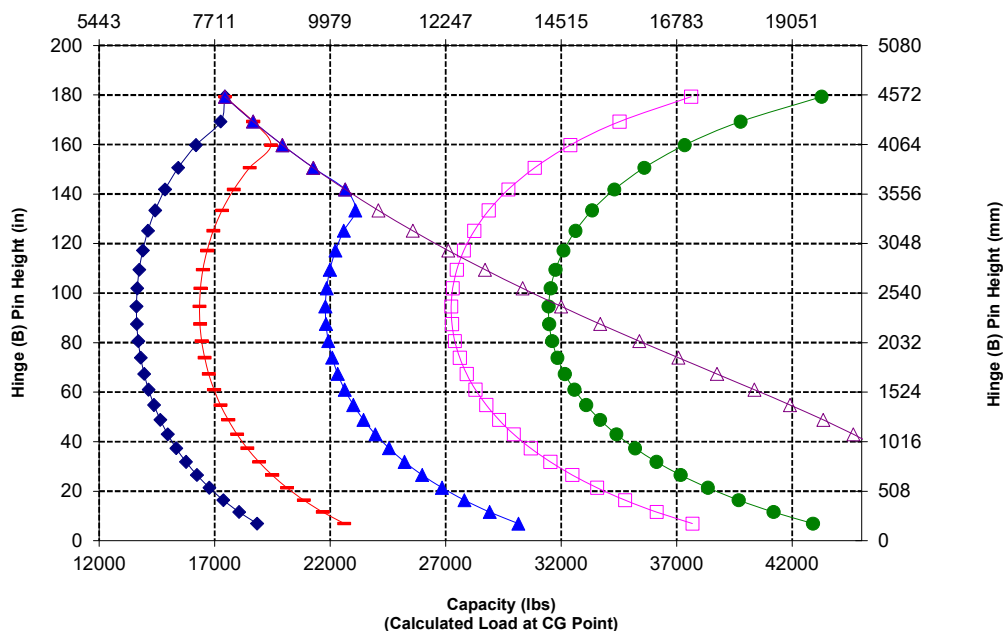
523-4199

84" Tine

523-4201



Capacity (kg)
(Calculated Load at CG Point)



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kq	13562
		lbs	29890
	Static Tipping Load - Articulated (Forks Level)	kq	11724
		lbs	25839
	Rated Load (SAE J1197 - 50% FTSTL)	kq	5862
		lbs	12920
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7034
		lbs	15504
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	7041
		lbs	15518
3	Maximum Overall Length	mm	11021
		in	433.9
4	Reach with Forks at Ground Level	mm	1170
		in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
		in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1801
		in	70.9
7	Reach with Fork at Maximum Height	mm	874
		in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
		in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
		in	78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1127
		in	44.4
15	Outside Tine Width (max spread)	mm	2629
		in	103.5
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	15750
		lbs	34713
	Operating Weight	kq	30211
		lbs	66584

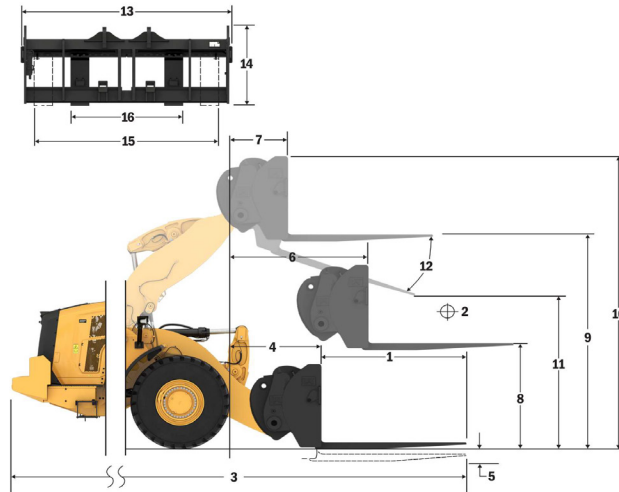
*Negative values indicate below grade

980 STD

Construction Fork, HD, FUSION

108" Carriage 96" Tine

523-4199 523-4202

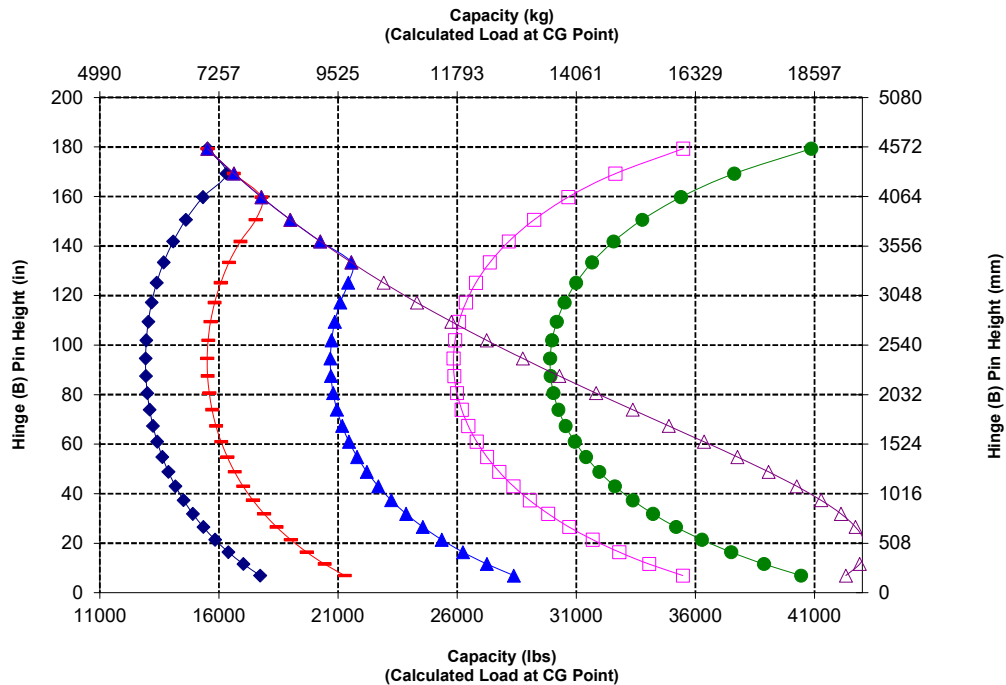


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone *VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	14740
		lbs	32488
	Static Tipping Load - Articulated (Forks Level)	kg	13022
		lbs	28701
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6511
		lbs	14350
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7467
		lbs	16457
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7467
		lbs	16457
3	Maximum Overall Length	mm	10902
		in	429.2
4	Reach with Forks at Ground Level	mm	1351
		in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-62
		in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
		in	77.5
7	Reach with Fork at Maximum Height	mm	886
		in	34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
		in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5665
		in	223.0
11	Clearance at Full Lift and Max Dump	mm	2524
		in	99.4
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	12700
		lbs	27991
	Operating Weight	kg	30360
		lbs	66914

*Negative values indicate below grade

980 HL

Construction Fork, FUSION

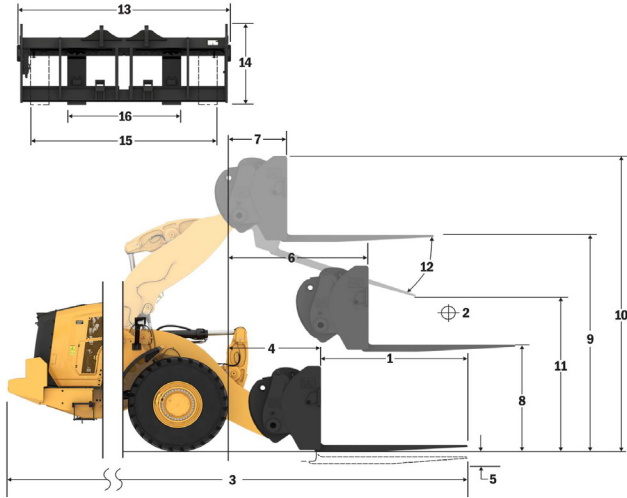
108" Carriage

84" Tine

520-7968

520-7986

*Build 14C
*Parallel Z-Bar Linkage
*High Lift Configuration



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Articulated
- Static Tipping Load - Straight
- ▲ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

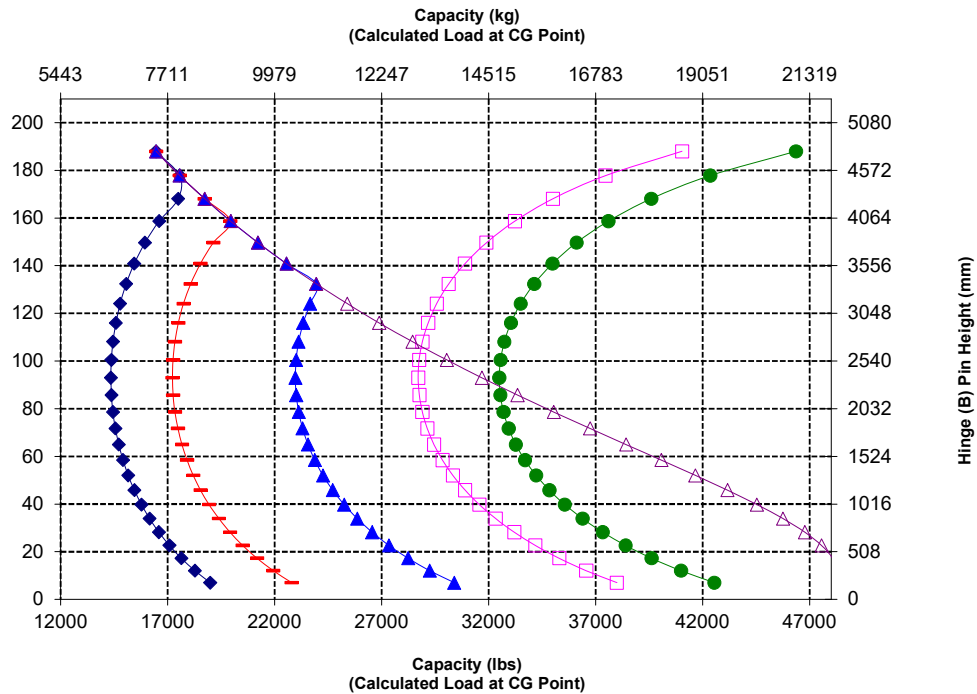
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization



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

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14137
		lbs	31157
	Static Tipping Load - Articulated (Forks Level)	kg	12481
		lbs	27509
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6241
		lbs	13754
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6727
		lbs	14826
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6727
		lbs	14826
3	Maximum Overall Length	mm	11206
		in	441.2
4	Reach with Forks at Ground Level	mm	1351
		in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-62
		in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
		in	77.5
7	Reach with Fork at Maximum Height	mm	886
		in	34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
		in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5665
		in	223.0
11	Clearance at Full Lift and Max Dump	mm	2280
		in	89.8
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	11300
		lbs	24905
	Operating Weight	kg	30423
		lbs	67053

*Negative values indicate below grade

980 HL

Construction Fork, FUSION

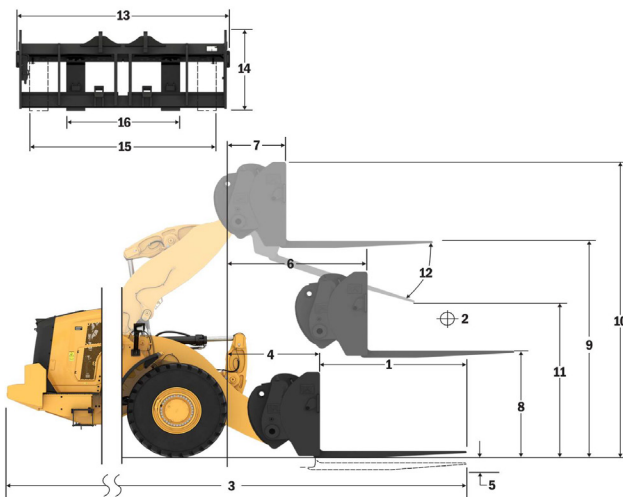
108" Carriage

96" Tine

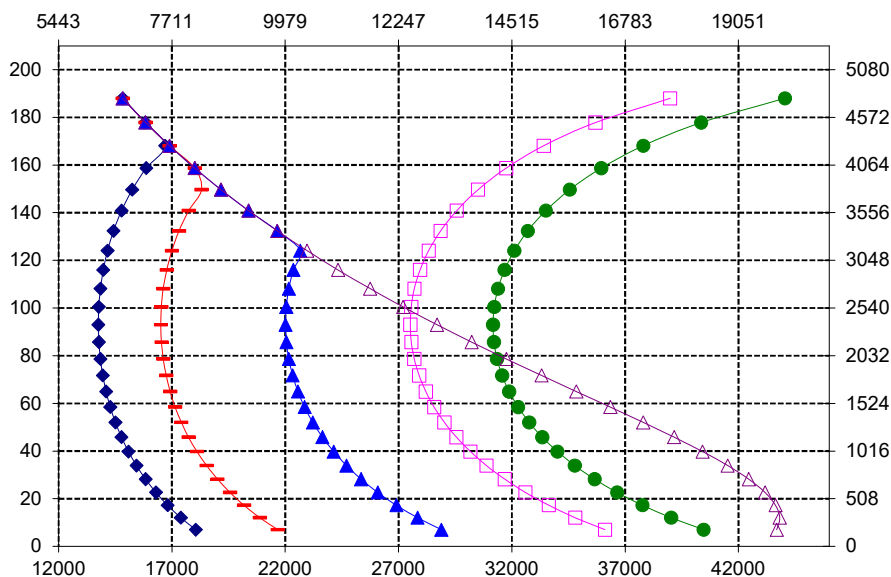
520-7968

520-7981

*Build 14C
*Parallel Z-Bar Linkage
*High Lift Configuration



Capacity (kg)
(Calculated Load at CG Point)



Capacity (lbs)
(Calculated Load at CG Point)

- ◆ Payload (SAE J1197)
- ◆ Payload (CEN EN 474-3 - Rough Terrain)
- ◆ Payload (CEN EN 474-3 - Firm & Level)
- ◆ Static Tipping Load - Articulated
- ◆ Static Tipping Load - Straight
- ◆ Hydraulic Tilt Capacity
- ◆ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * 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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization

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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	914
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15057
		lbs	33185
	Static Tipping Load - Articulated (Forks Level)	kg	13272
		lbs	29251
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6636
		lbs	14625
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7963
		lbs	17551
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8586
		lbs	18924
3	Maximum Overall Length	mm	10616
		in	418.0
4	Reach with Forks at Ground Level	mm	1371
		in	54.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-96
		in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1969
		in	77.5
7	Reach with Fork at Maximum Height	mm	885
		in	34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2097
		in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4586
		in	180.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5630
		in	221.6
11	Clearance at Full Lift and Max Dump	mm	2674
		in	105.3
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	kg	18700
		lbs	41215
	Operating Weight	kg	30736
		lbs	67743

*Negative values indicate below grade

980 HL

Construction Fork, FUSION

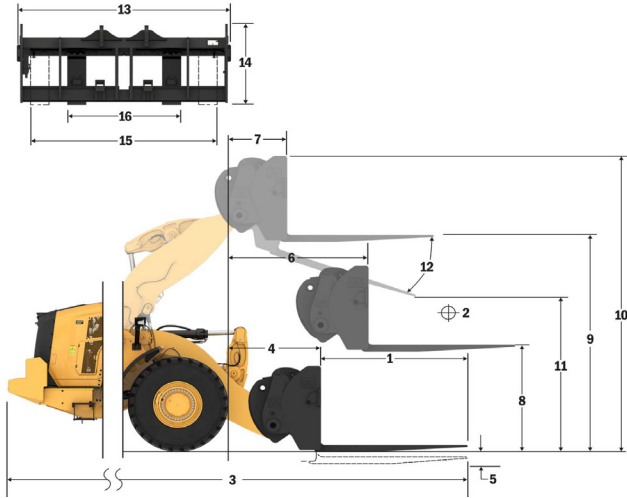
108" Carriage

72" Tine

523-4199

523-4200

*Build 14C
*Parallel Z-Bar Linkage
*High Lift Configuration



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Articulated
- Static Tipping Load - Straight
- ▲ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

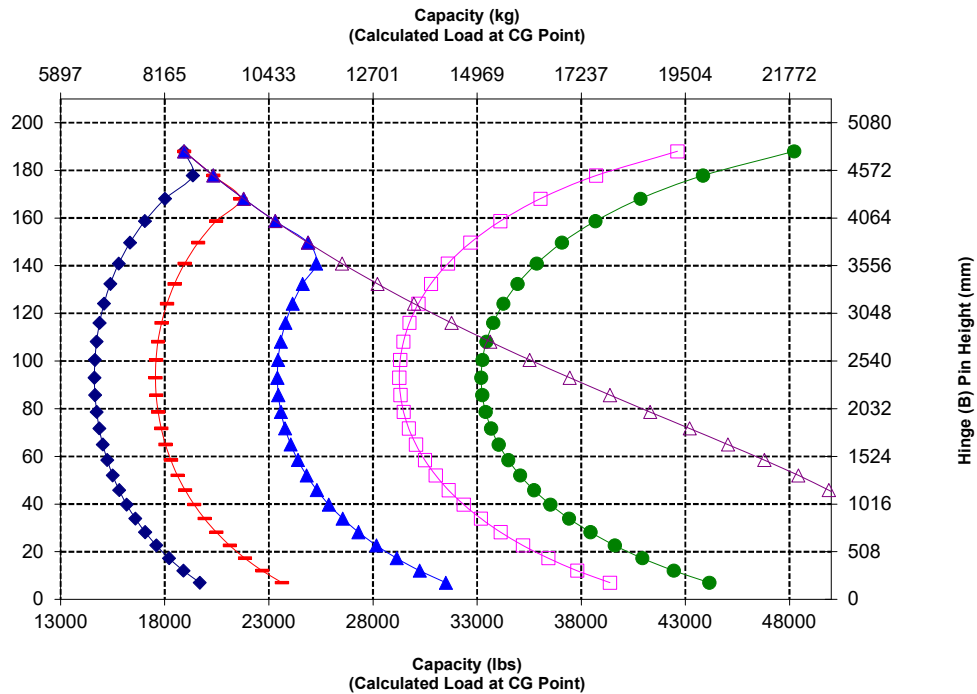
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	13694
		lbs	30181
	Static Tipping Load - Articulated (Forks Level)	kg	12040
		lbs	26537
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6020
		lbs	13269
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6791
		lbs	14967
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6791
		lbs	14967
3	Maximum Overall Length	mm	11233
		in	442.2
4	Reach with Forks at Ground Level	mm	1378
		in	54.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-94
		in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1974
		in	77.7
7	Reach with Fork at Maximum Height	mm	890
		in	35.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2103
		in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4593
		in	180.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5630
		in	221.6
11	Clearance at Full Lift and Max Dump	mm	2159
		in	85.0
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1127
		in	44.4
15	Outside Tine Width (max spread)	mm	2629
		in	103.5
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	15750
		lbs	34713
	Operating Weight	kg	30989
		lbs	68300

*Negative values indicate below grade

980 HL

Construction Fork, FUSION

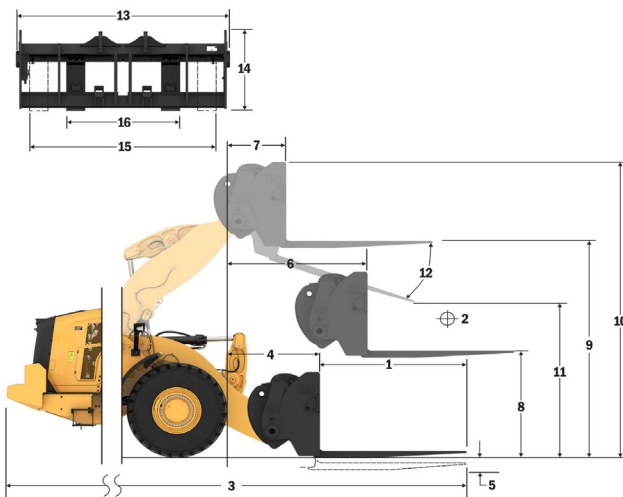
108" Carriage

96" Tine

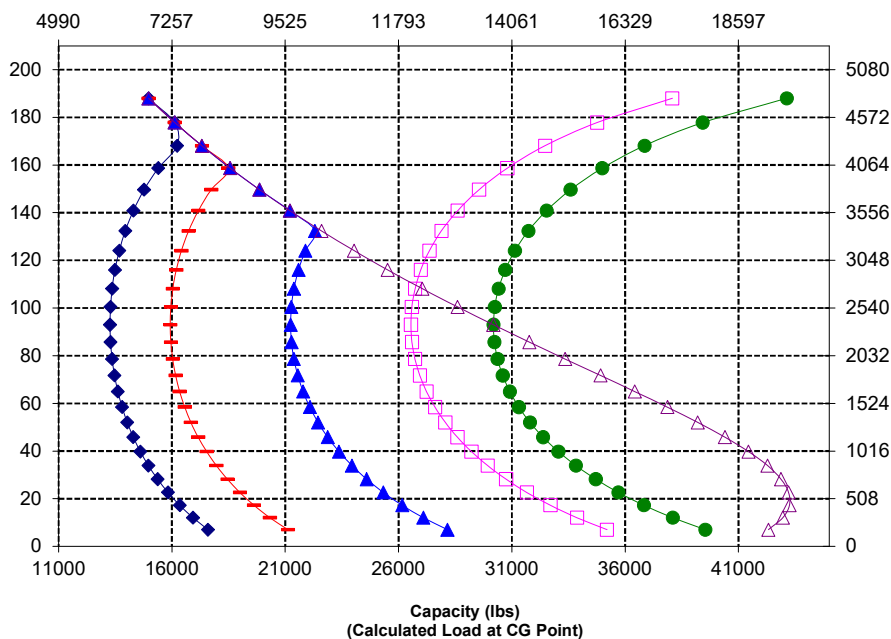
523-4199

523-4202

*Build 14C
*Parallel Z-Bar Linkage
*High Lift Configuration



Capacity (kg)
(Calculated Load at CG Point)



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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization

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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1830
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kq	16622
		lbs	36635
	Static Tipping Load - Articulated (Forks Level)	kq	14453
		lbs	31855
	Rated Load (SAE J1197 - 50% FTSTL)	kq	7227
		lbs	15928
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	8327
		lbs	18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	8327
		lbs	18352
3	Maximum Overall Length	mm	10445
		in	411.2
4	Reach with Forks at Ground Level	mm	1199
		in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
		in	71.2
7	Reach with Fork at Maximum Height	mm	883
		in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
		in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4292
		in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676
		in	105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kq	5246
		lbs	11562
	Operating Weight	kq	29722
		lbs	65507

*Negative values indicate below grade

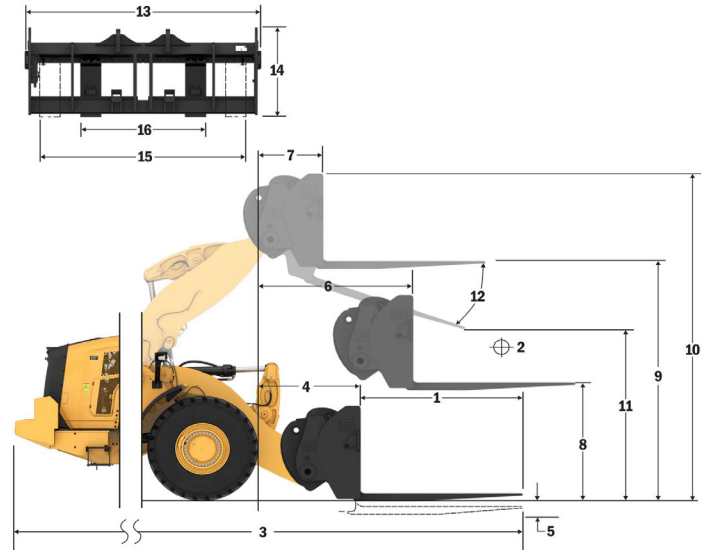
980 AGG

Pallet Fork, FUSION

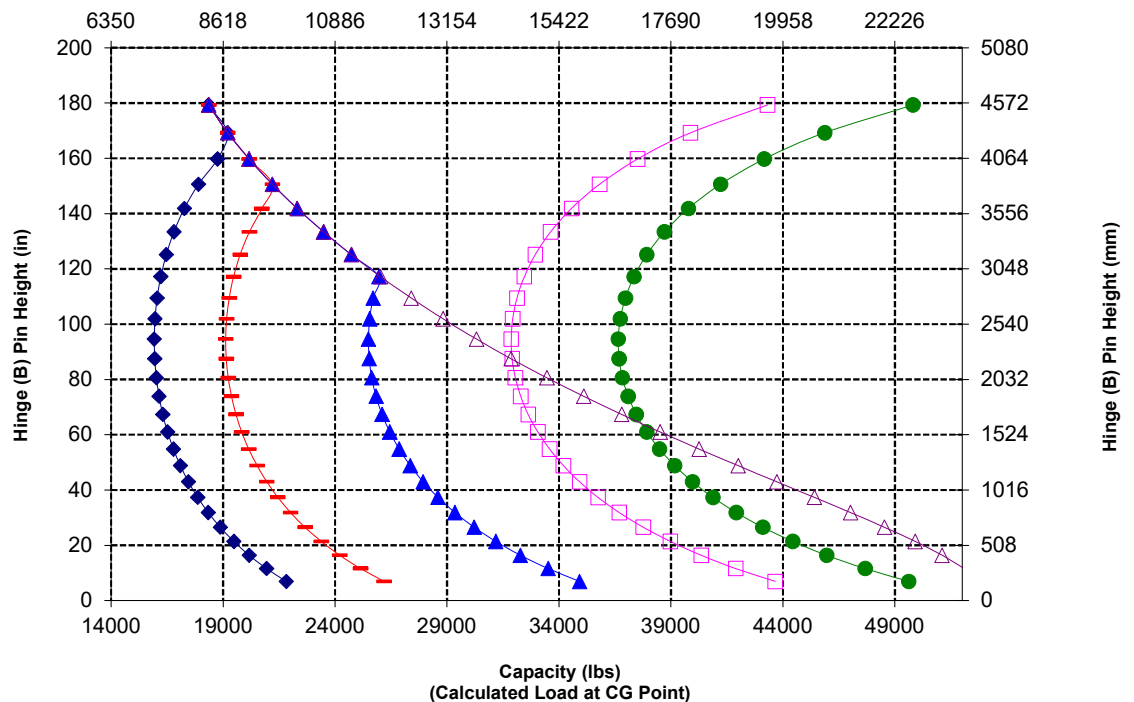
2x 130 mm HE Tilt Cylinders

87" Carriage 72" Tine

530-1861 530-1869



Capacity (kg)
(Calculated Load at CG Point)



980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kq	16347
		lbs	36029
	Static Tipping Load - Articulated (Forks Level)	kq	14170
		lbs	31231
	Rated Load (SAE J1197 - 50% FTSTL)	kq	7085
		lbs	15615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	8502
		lbs	18738
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	8691
		lbs	19155
3	Maximum Overall Length	mm	10387
		in	408.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
		in	102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	14800
		lbs	32619
	Operating Weight	kq	30161
		lbs	66474

*Negative values indicate below grade

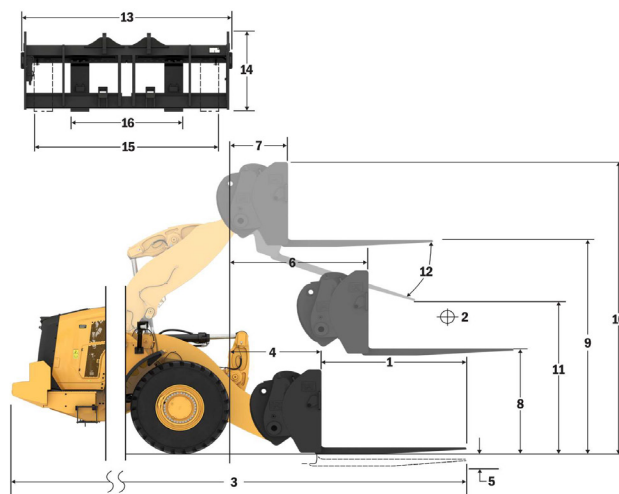
980 AGG

Construction Fork, FUSION

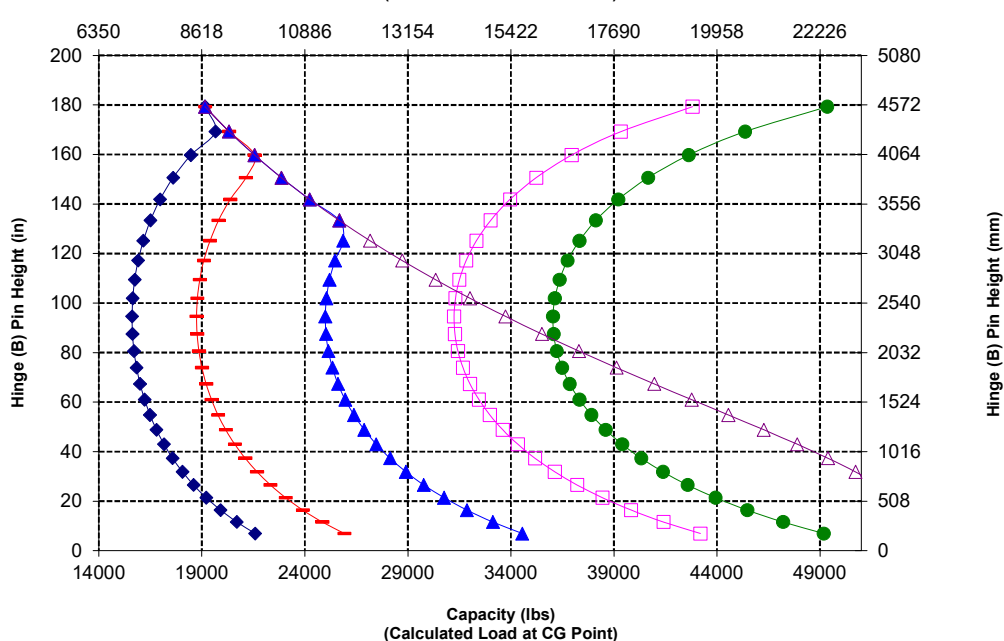
108" Carriage
520-7968

72" Tine
520-7979

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



Capacity (kg)
(Calculated Load at CG Point)



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kq	15637
		lbs	34463
	Static Tipping Load - Articulated (Forks Level)	kq	13546
		lbs	29855
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6773
		lbs	14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7759
		lbs	17102
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	7759
		lbs	17102
3	Maximum Overall Length	mm	10692
		in	420.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2359
		in	92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	12700
		lbs	27991
	Operating Weight	kq	30223
		lbs	66611

*Negative values indicate below grade

980 AGG

Construction Fork, FUSION

108" Carriage

520-7968

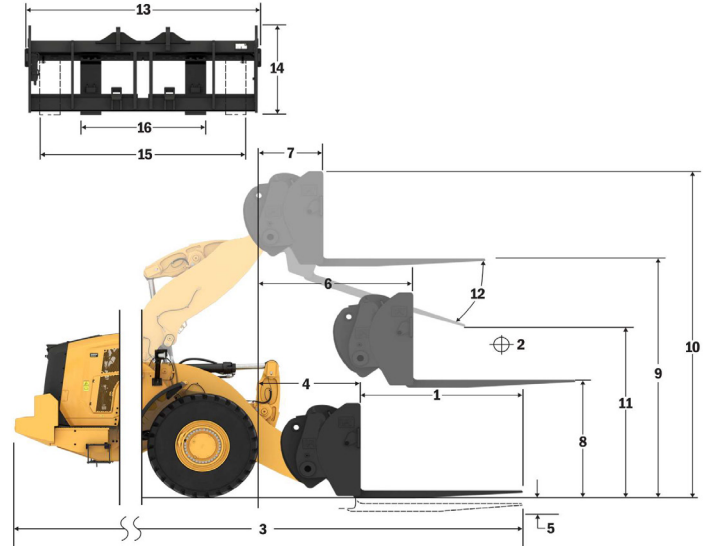
84" Tine

520-7986

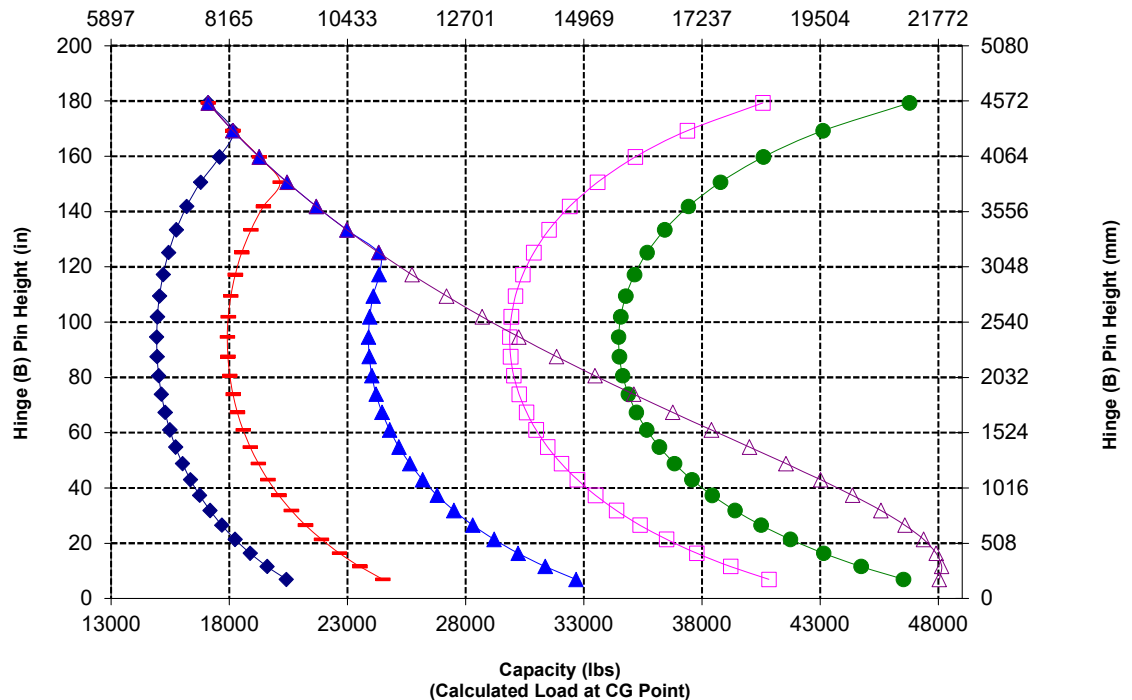
*Build 14A

*Parallel Z-Bar Linkage

*Aggregate Handling Configuration



Capacity (kg)
(Calculated Load at CG Point)



980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kq	14976
		lbs	33008
	Static Tipping Load - Articulated (Forks Level)	kq	12965
		lbs	28575
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6483
		lbs	14288
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	6988
		lbs	15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	6988
		lbs	15401
3	Maximum Overall Length	mm	10996
		in	432.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
		in	83.5
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	11300
		lbs	24905
	Operating Weight	kq	30286
		lbs	66750

*Negative values indicate below grade

980 AGG

Construction Fork, FUSION

108" Carriage

520-7968

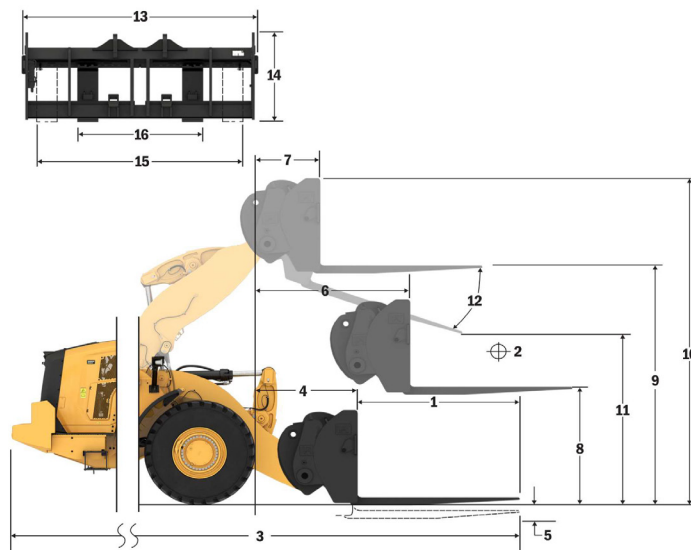
96" Tine

520-7981

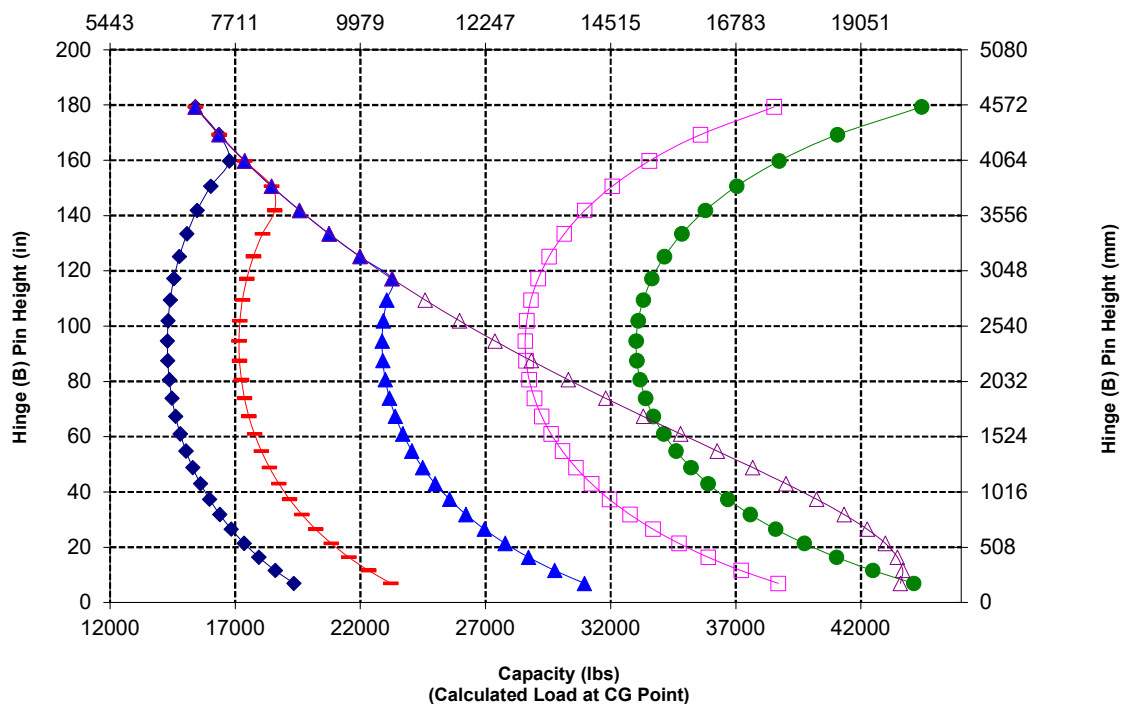
*Build 14A

*Parallel Z-Bar Linkage

*Aggregate Handling Configuration



Capacity (kg)
(Calculated Load at CG Point)



980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	914
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kq	16020
		lbs	35309
	Static Tipping Load - Articulated (Forks Level)	kq	13844
		lbs	30513
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6922
		lbs	15256
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	8307
		lbs	18308
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	8905
		lbs	19627
3	Maximum Overall Length	mm	10408
		in	409.8
4	Reach with Forks at Ground Level	mm	1162
		in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
		in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7
7	Reach with Fork at Maximum Height	mm	869
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095
		in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
		in	171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm	2498
		in	98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	kq	18700
		lbs	41215
	Operating Weight	kq	30599
		lbs	67440

*Negative values indicate below grade

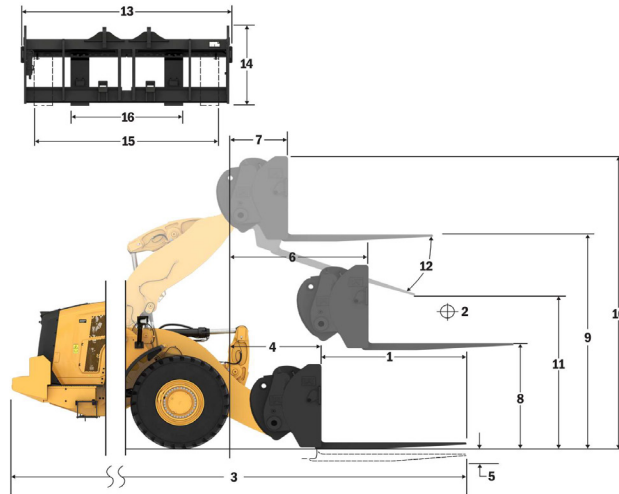
980 AGG

Construction Fork, HD, FUSION

2x 130 mm HE Tilt Cylinders

108" Carriage 72" Tine

523-4199 523-4200

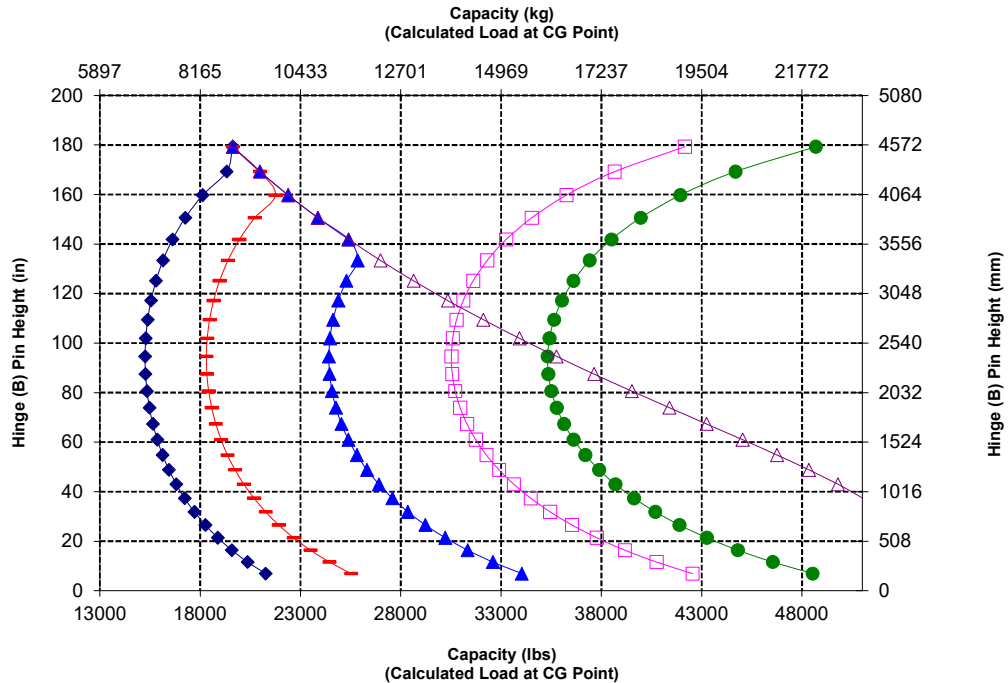


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone *VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kq	15281
		lbs	33680
	Static Tipping Load - Articulated (Forks Level)	kq	13192
		lbs	29075
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6596
		lbs	14537
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7914
		lbs	17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	7914
		lbs	17442
3	Maximum Overall Length	mm	10717
		in	421.9
4	Reach with Forks at Ground Level	mm	1166
		in	45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
		in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7
7	Reach with Fork at Maximum Height	mm	869
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
		in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm	2247
		in	88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	17729
		lbs	39075
	Operating Weight	kq	30701
		lbs	67664

*Negative values indicate below grade

980 AGG

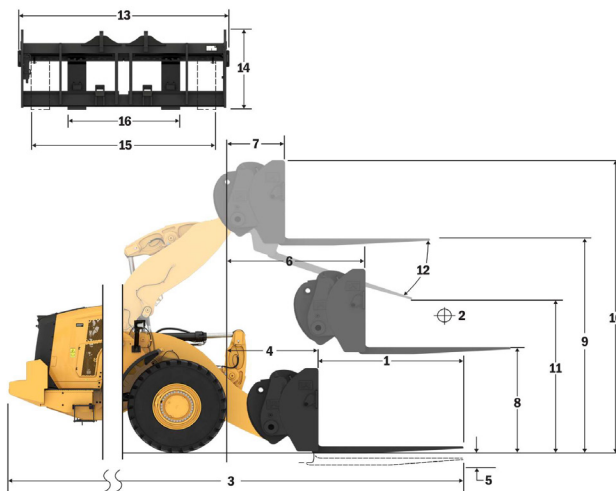
Construction Fork, HD, FUSION

2x 130 mm HE Tilt Cylinders

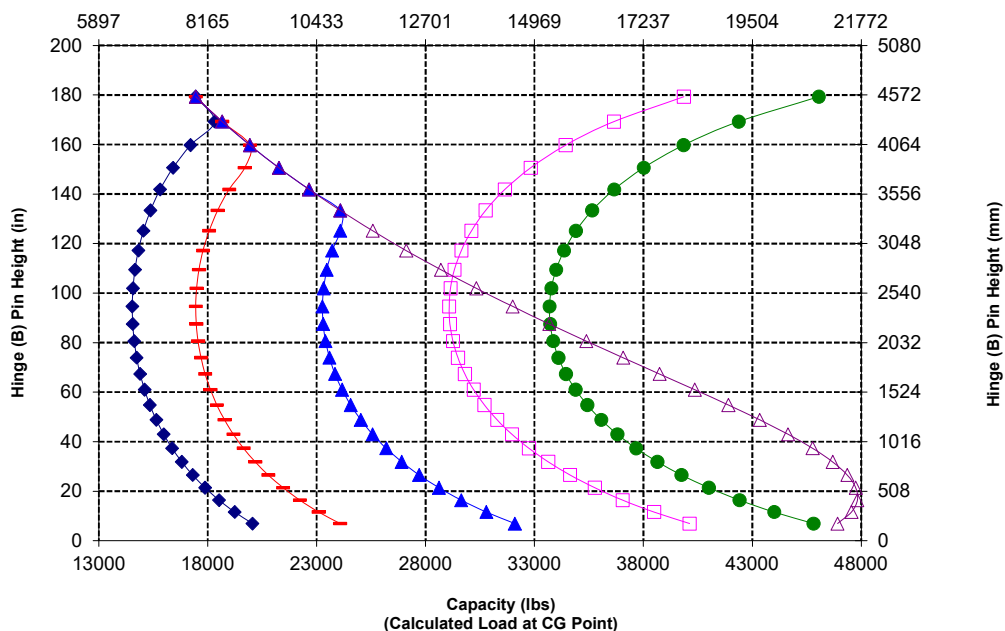
108" Carriage 84" Tine

523-4199

523-4201



Capacity (kg)
(Calculated Load at CG Point)



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14537
		lbs	32041
	Static Tipping Load - Articulated (Forks Level)	kg	12529
		lbs	27614
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6265
		lbs	13807
	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	7041
		lbs	15518
3	Maximum Overall Length	mm	11025
		in	434.1
4	Reach with Forks at Ground Level	mm	1170
		in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
		in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1801
		in	70.9
7	Reach with Fork at Maximum Height	mm	874
		in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
		in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
		in	78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1127
		in	44.4
15	Outside Tine Width (max spread)	mm	2629
		in	103.5
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	15750
		lbs	34713
	Operating Weight	kg	30852
		lbs	67997

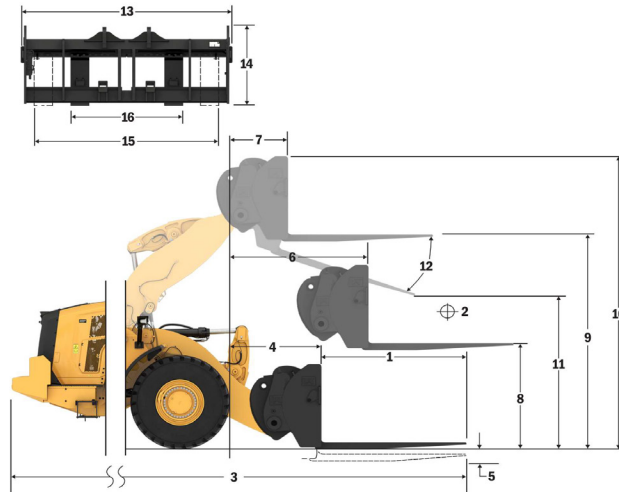
*Negative values indicate below grade

980 AGG Construction Fork, HD, FUSION

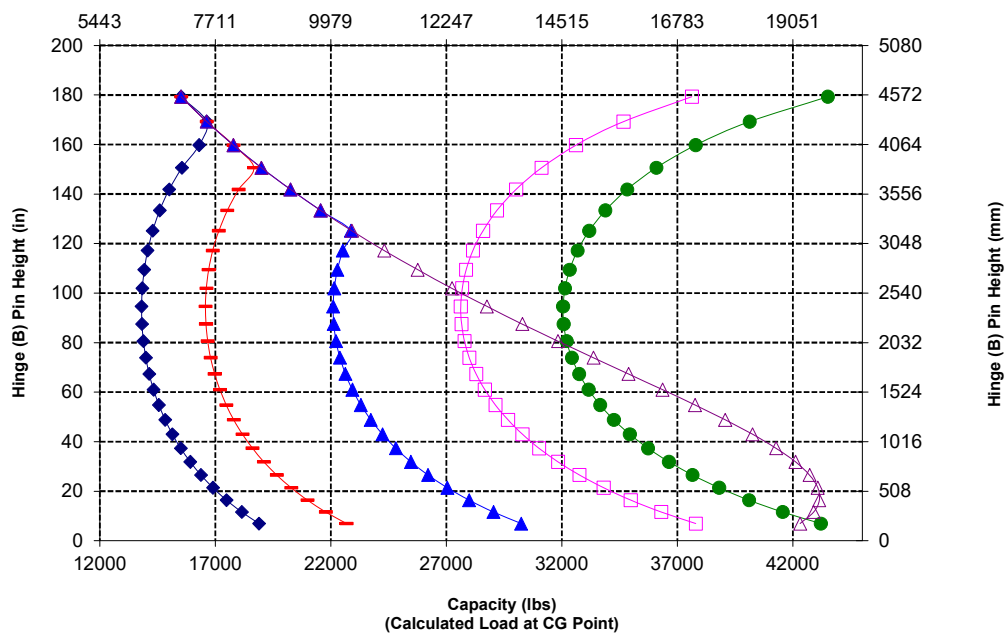
2x 130 mm HE Tilt Cylinders

108" Carriage 96" Tine

523-4199 523-4202



Capacity (kg)
(Calculated Load at CG Point)



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1830
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16621
		lbs	36633
	Static Tipping Load - Articulated (Forks Level)	kg	14453
		lbs	31854
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7226
		lbs	15927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8672
		lbs	19112
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	11207
		lbs	24701
3	Maximum Overall Length	mm	10445
		in	411.2
4	Reach with Forks at Ground Level	mm	1199
		in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
		in	71.2
7	Reach with Fork at Maximum Height	mm	883
		in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
		in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4292
		in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676
		in	105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	5246
		lbs	11562
	Operating Weight	kg	29772
		lbs	65617

*Negative values indicate below grade

980 AGG QC

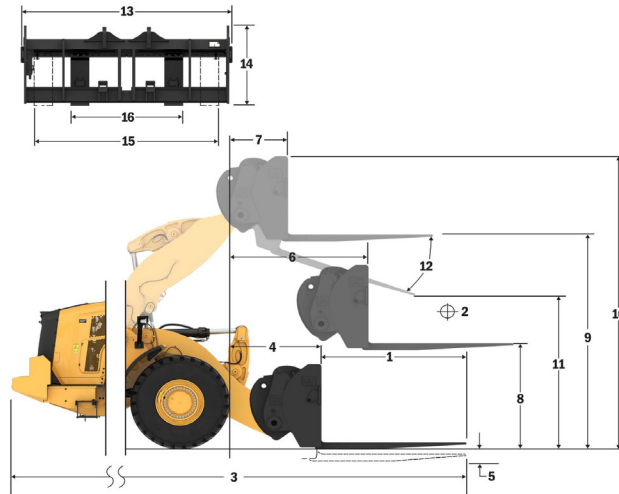
Pallet Fork, FUSION

2x 150 mm HE Tilt Cylinders

87" Carriage 72" Tine

530-1861

530-1869

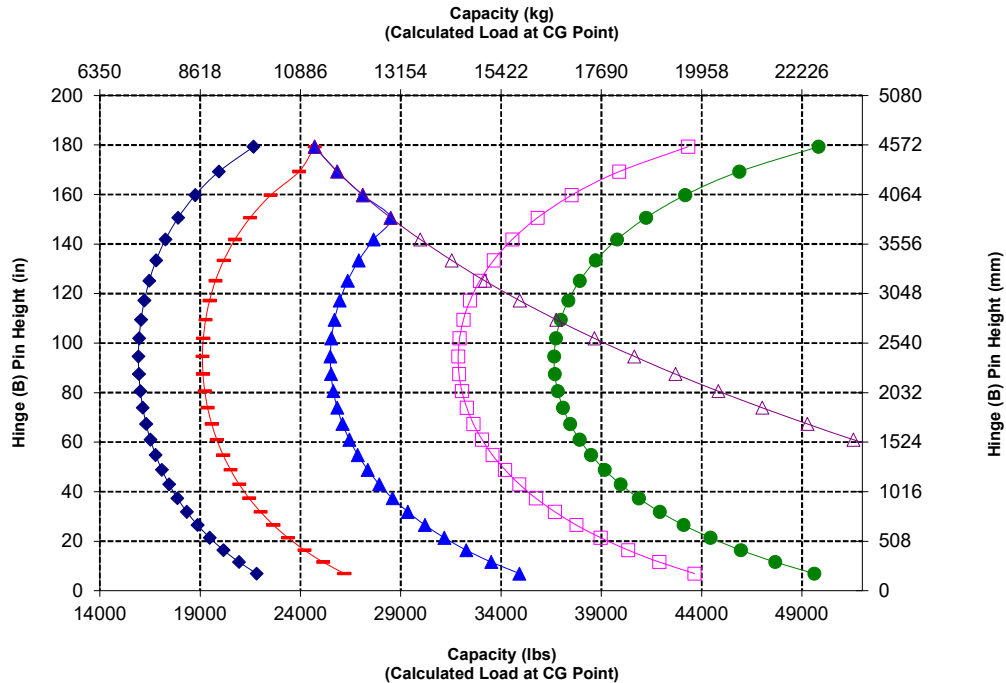


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone® VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kq	16347
		lbs	36028
	Static Tipping Load - Articulated (Forks Level)	kq	14169
		lbs	31229
	Rated Load (SAE J1197 - 50% FTSTL)	kq	7085
		lbs	15614
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	8501
		lbs	18737
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	11335
		lbs	24983
3	Maximum Overall Length	mm	10387
		in	408.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
		in	102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	14800
		lbs	32619
	Operating Weight	kq	30211
		lbs	66585

*Negative values indicate below grade

980 AGG QC

Construction Fork, FUSION

108" Carriage

72" Tine

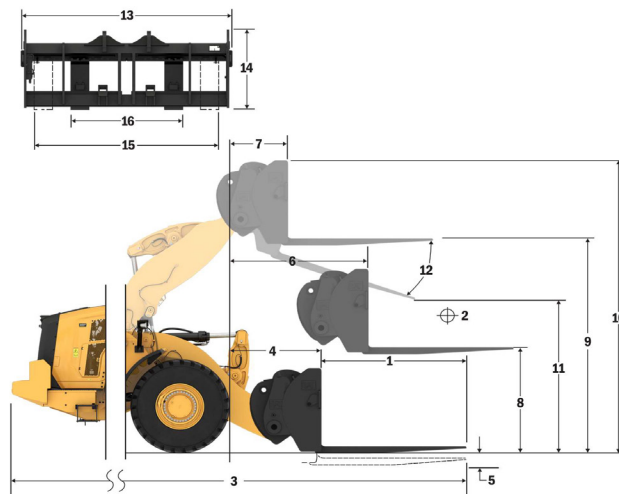
520-7968

520-7979

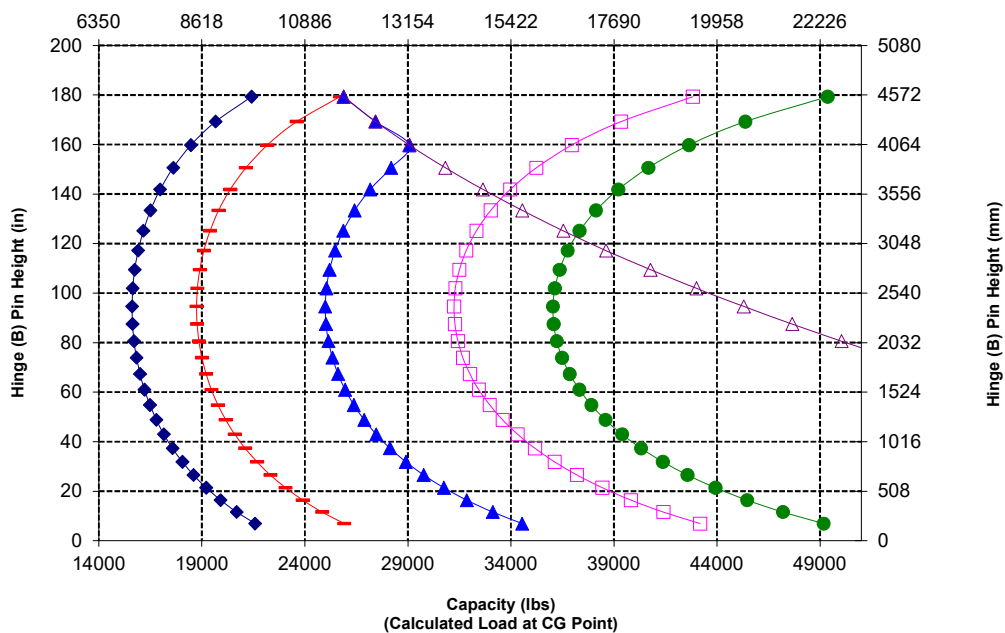
*Build 14A

*Parallel Z-Bar Linkage

*150mm HE Tilt Cylinders, for use with FUSION only



Capacity (kg)
(Calculated Load at CG Point)



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

980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kq	15636
		lbs	34462
	Static Tipping Load - Articulated (Forks Level)	kq	13545
		lbs	29853
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6773
		lbs	14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	8127
		lbs	17912
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	10508
		lbs	23160
3	Maximum Overall Length	mm	10692
		in	420.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2359
		in	92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	12700
		lbs	27991
	Operating Weight	kq	30273
		lbs	66721

*Negative values indicate below grade

980 AGG QC

Construction Fork, FUSION

108" Carriage

84" Tine

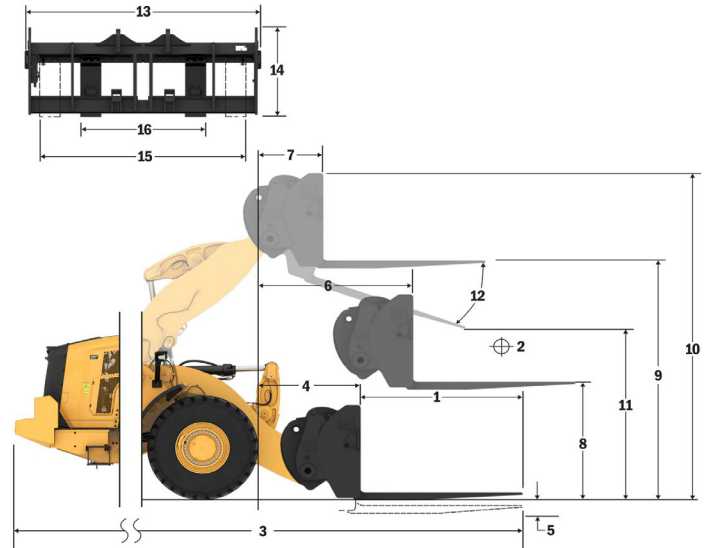
520-7968

520-7986

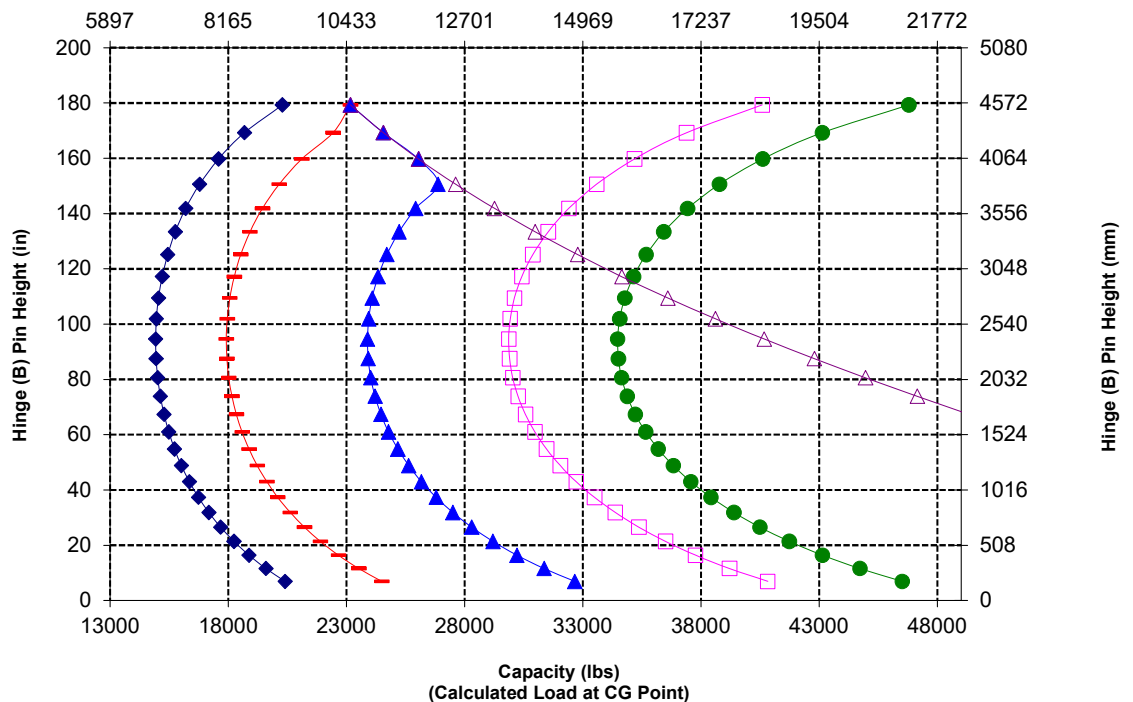
*Build 14A

*Parallel Z-Bar Linkage

*150mm HE Tilt Cylinders, for use with FUSION only



Capacity (kg)
(Calculated Load at CG Point)



980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kq	14976
		lbs	33007
	Static Tipping Load - Articulated (Forks Level)	kq	12965
		lbs	28574
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6482
		lbs	14287
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7779
		lbs	17144
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	9491
		lbs	20919
3	Maximum Overall Length	mm	10996
		in	432.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
		in	83.5
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	11300
		lbs	24905
	Operating Weight	kq	30336
		lbs	66860

*Negative values indicate below grade

980 AGG QC

Construction Fork, FUSION

108" Carriage

520-7968

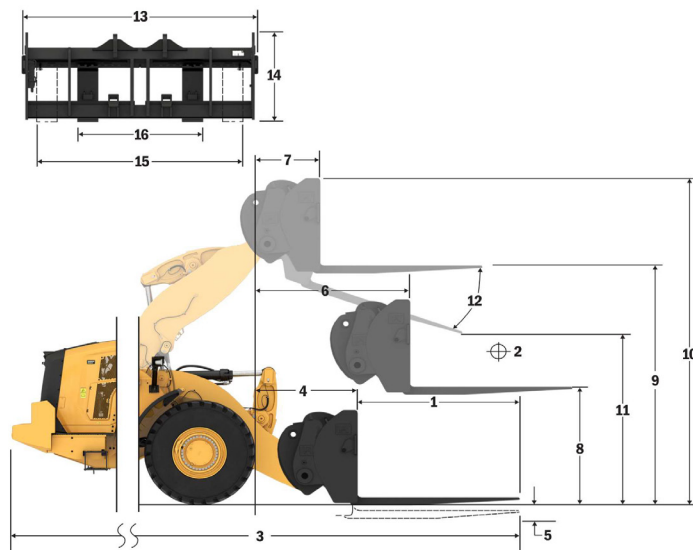
96" Tine

520-7981

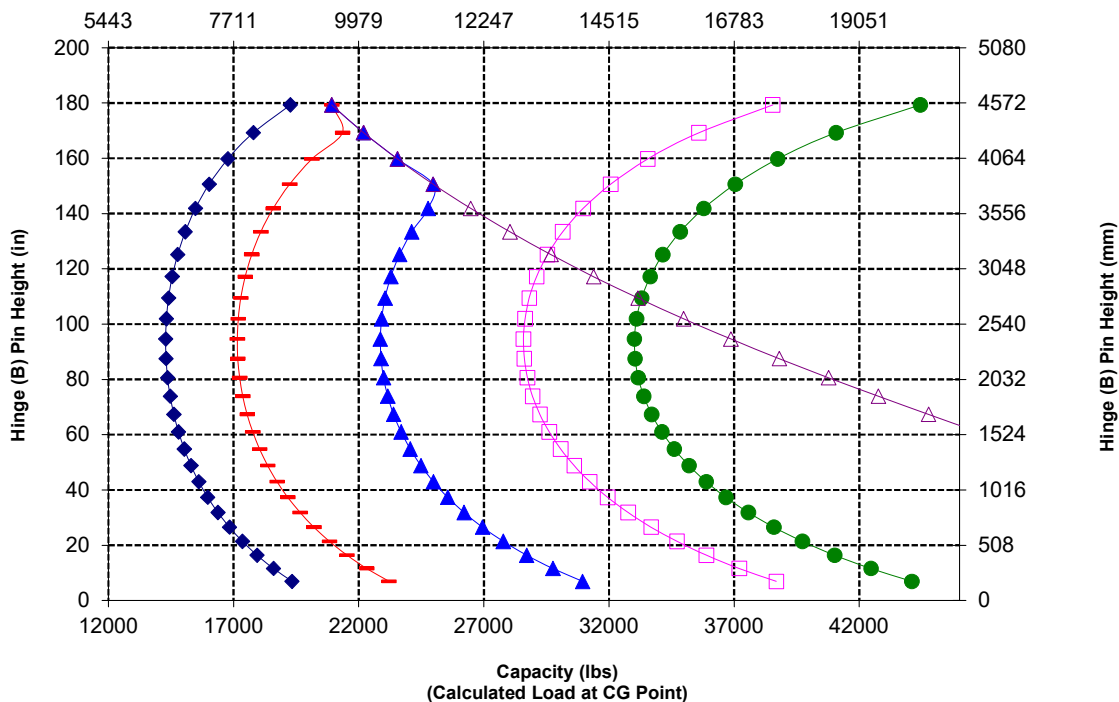
*Build 14A

*Parallel Z-Bar Linkage

*150mm HE Tilt Cylinders, for use with FUSION only



Capacity (kg)
(Calculated Load at CG Point)



980 Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kq	15281
		lbs	33678
	Static Tipping Load - Articulated (Forks Level)	kq	13191
		lbs	29073
	Rated Load (SAE J1197 - 50% FTSTL)	kq	6595
		lbs	14536
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	7915
		lbs	17444
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	10553
		lbs	23258
3	Maximum Overall Length	mm	10717
		in	421.9
4	Reach with Forks at Ground Level	mm	1166
		in	45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
		in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7
7	Reach with Fork at Maximum Height	mm	869
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
		in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm	2247
		in	88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	17729
		lbs	39075
	Operating Weight	kq	30751
		lbs	67775

*Negative values indicate below grade

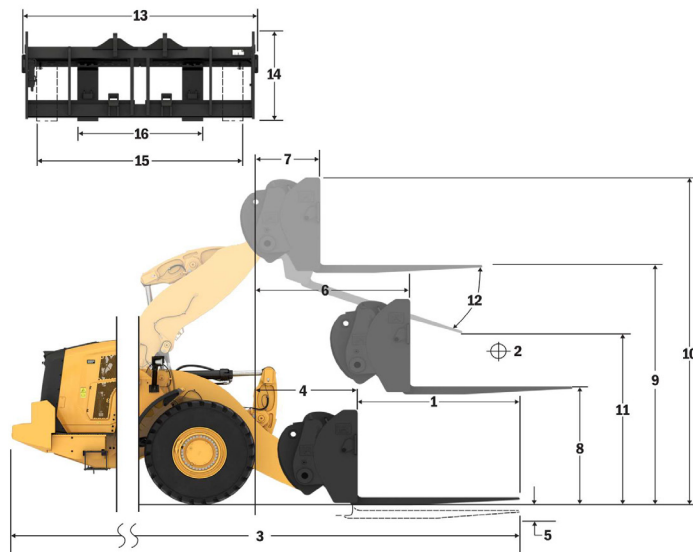
980 AGG QC

Construction Fork, HD, FUSION

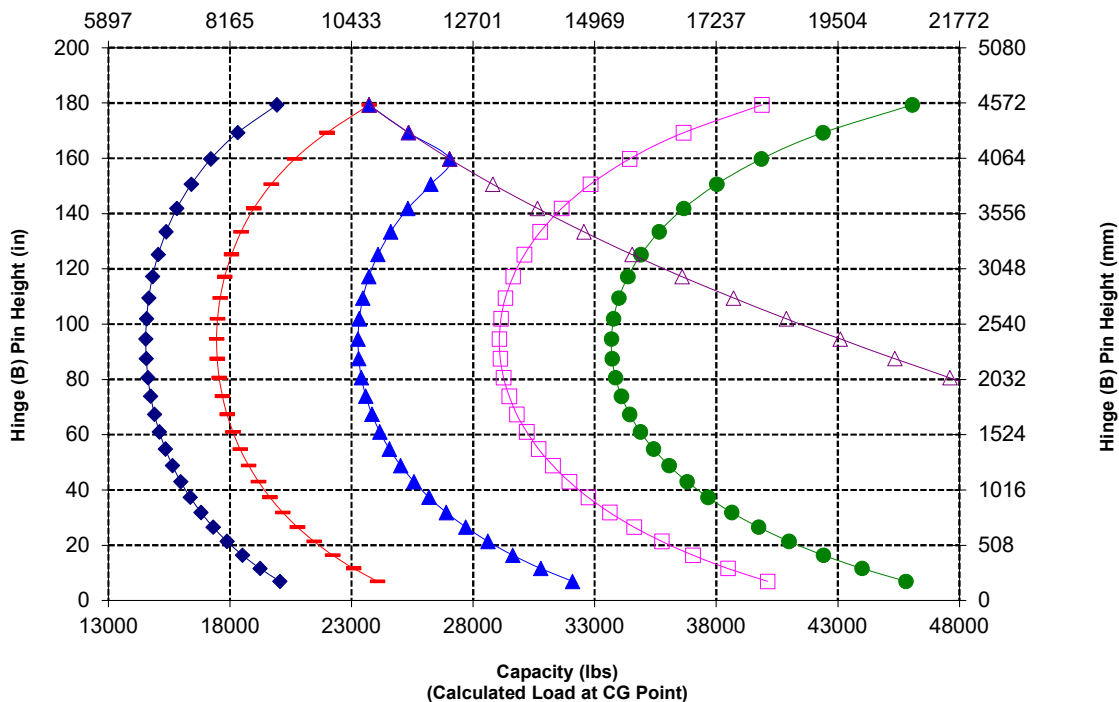
2x 150 mm HE Tilt Cylinders

108" Carriage 84" Tine

523-4199 523-4201



Capacity (kg)
(Calculated Load at CG Point)



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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization

Fork Specifications

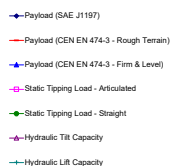
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kq lbs	14537 32039
	Static Tipping Load - Articulated (Forks Level)	kq lbs	12528 27612
	Rated Load (SAE J1197 - 50% FTSTL)	kq lbs	6264 13806
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq lbs	7517 16567
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq lbs	9628 21221
3	Maximum Overall Length	mm in	11025 434.1
4	Reach with Forks at Ground Level	mm in	1170 46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-98 -3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1801 70.9
7	Reach with Fork at Maximum Height	mm in	874 34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4370 172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	1994 78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kq lbs	15750 34713
	Operating Weight	kq lbs	30902 68108

980 AGG QC

2x 150 mm HE Tilt Cylinders

108" Carriage 96" Tine

523-4199 523-4202



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



980 Wheel Loader Specifications

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			HYDRAULICS		
Cab, pressurized, sound suppression	✓		Implement system, load sensing with variable displacement piston pump	✓	
Door, remote opening system	✓		Steering system, load sensing with dedicated variable displacement piston pump	✓	
EH implement controls, parking brake	✓		Ride control, dual accumulators	✓	
Footrest		✓	3 rd auxiliary function with ride control		✓
HMU steering wheel		✓	Oil sampling valves, Cat XT™ hoses	✓	
Steering, joystick	✓		Quick coupler control		✓
Implement joystick (2V, 3V only)		✓	POWERTRAIN		
Entertainment radio (FM, AM, USB, Bluetooth®)		✓	Cat C13 engine	✓	
Entertainment radio (DAB+)		✓	Electric fuel priming pump	✓	
CB radio ready		✓	Fuel-water separator and secondary fuel filter	✓	
Seat, cloth, air suspension	✓		Engine, air precleaner	✓	
Seat, suede/cloth, air suspension, heated		✓	Turbine, air precleaner		✓
Seat, leather/cloth, air suspension, heated/cooled		✓	Radiator, high debris		✓
Touchscreen display	✓		Cooling fan, reversible		✓
Keypad, programmable buttons	✓		Axles, open differentials	✓	
Mirrors, heated		✓	Axles, limited slip differential(s)		✓
Air conditioner, heater, defroster (auto temp, fan)	✓		Axles, ecology drains, AOC ready, extreme temperature seals		✓
Sun visor, front, retractable	✓		Axles, oil cooler		✓
Sun visor, rear, retractable	✓		Transmission, planetary, automatic power shift	✓	
Windows, front, safety laminated rounded glass	✓		Torque converter with lock-up	✓	
Windows, front, heavy-duty, or full guards		✓	Heavy-duty transmission		✓
ON-BOARD TECHNOLOGIES			Service brakes, hydraulic, fully enclosed wet disc, wear indicators	✓	
Autodig with Auto Set Tires	✓		Integrated Braking System (IBS)	✓	
Operator ID and machine security	✓		Park brake, caliper on front axles, spring applied-pressure released	✓	
Application Profiles	✓		Brake pedal neutralizer with decel function	✓	
Job Aids	✓		ELECTRICAL		
Controls Help and eOMM*	✓		Starting and charging system, 24V	✓	
Cat® Payload	✓		Starter, electric, heavy-duty	✓	
Cat Advanced Payload		✓	Cold start, 120V or 240V		✓
Cat Payload for Trade****		✓	Lights: halogen, 4 work lights, 2 front roading lights with turn signals, 2 rearview lights	✓	
Cat Payload Printer with E-ticket ¹		✓	Lights: LED		✓
Dispatch for Loading ¹		✓			
Key Features Inform	✓				
Bucket Carry Display Widget	✓				
Remote Services	✓				

* Not available in all languages

** Standard where mandated

*** Not Compatible with roading arrangements

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

¹Subscription required

(continued on next page)

980 Wheel Loader Specifications

Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
MONITORING SYSTEM			SAFETY		
Front dash with analog gauges, LCD display, and warning lights	✓		Seat belt reminder	✓	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings and messages)	✓		2-point seat belt	✓	
Tire pressure monitor		✓	4-point seat belt (kit)		✓
Maintenance reminders	✓		Rear vision camera	✓	
LINKAGE			Rear vision camera, dedicated		✓
Standard lift, Z-bar	✓		Seat belt indicator lamp		✓
High lift, Z-bar		✓	Surround vision, dedicated		✓
Kickouts: lift and tilt	✓		Window cleaning platform, front		✓
ADDITIONAL EQUIPMENT			Collision warning system		✓
Cat Autolube system		✓	Collision mitigation system		✓
Fenders, extensions or roading		✓	Reverse strobe lights***		✓
Guards: powertrain, crankcase, cab, cylinders, rear		✓	Warning beacon		✓
Biodegradable hydraulic oil		✓	Secondary steering system, electrical**		✓
High-speed oil change system		✓	Wheel chocks		✓
Rear cab access		✓	Cat Command remote control		✓
Fast fill fuel tank		✓	SPECIAL CONFIGURATIONS		
Single Life Cutting Edge GET		✓	Aggregate handler		✓
Toolbox		✓	Waste and scrap		✓
			Forestry		✓
			Steel mill		✓
			Block handler		✓
			Corrosion resistant		✓

* Not available in all languages

** Standard where mandated

*** Not Compatible with roading arrangements

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

¹Subscription required

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

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

Engine

- The Cat C13 engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV 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.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - 20% biodiesel FAME (fatty acid methyl ester)***
 - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

* While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.

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

***Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Air Conditioning System

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

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO₂ equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

Paint

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

Sound Performance

Operator Sound Pressure Level (ISO 6396:2008)	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	109 dB(A)

*Including countries that adopt the EU and UK Directives

**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

Oils and Fluids

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

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Autodig with Auto Set Tires provides consistent high bucket fill factors for excellent productivity
 - Powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance
 - Automatic engine idle shutdown system reduces idle hours
 - Extended maintenance intervals reduce fluid and filter consumption
 - Remote Flash and Remote Troubleshoot

Recycling

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

Material Type	Weight Percentage
Steel	64.25%
Iron	18.47%
Nonferrous Metal	1.34%
Mixed Metal	0.41%
Mixed-Metal and Nonmetal	0.54%
Plastic	1.21%
Rubber	9.54%
Mixed Nonmetallic	0.01%
Fluid	2.52%
Other	1.43%
Uncategorized	0.28%
Total	100%

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

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

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

Recyclability – 97%



980

Waste and 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 and 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, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

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

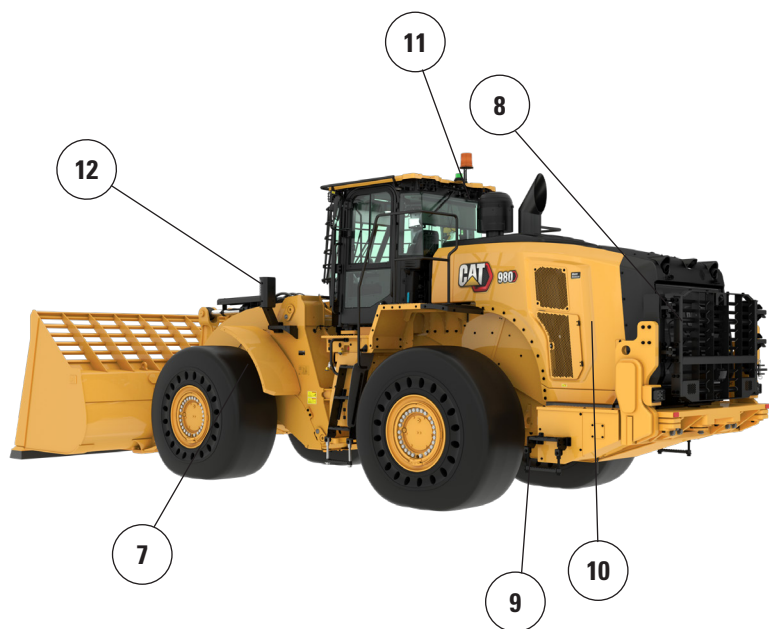
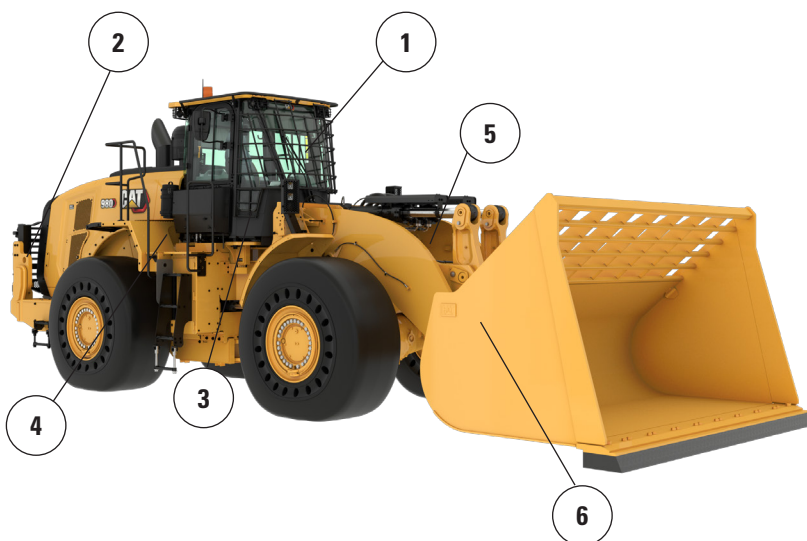
Work in Comfort in the All New Cab

- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The 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 and Scrap Handler Specifications

980 Waste and Scrap Handler Specifications

1. Optional window guarding to provide impact resistance to the glass
2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
3. Carbon cab air filter removes harsh odors
4. 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
11. 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 and Scrap Handler Specifications

Tire Options

Tire Brand	BRAWLER	MICHELIN	MICHELIN	MICHELIN
Tire Size	29.5-25	29.5R25	29.5R25	29.5R25
Tread Type	Solid	L-4	L-5	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.

Tire Brand	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-3	L-4	L-5	L-5
Tread Pattern	VJT	VSNT	VSDT	VSDL
Width over Tires – Maximum (empty)*	3263 mm 10'9"	3240 mm 10'8"	3272 mm 10'9"	3250 mm 10'8"
Width over Tires – Maximum (loaded)*	3289 mm 10'10"	3260 mm 10'9"	3301 mm 10'10"	3275 mm 10'9"
Change in Vertical Dimensions (average of front and rear)	-32 mm -1.3"	-9 mm -0.4"	-5 mm -0.2"	11 mm 0.4"
Change in Horizontal Reach	-10 mm -0.4"	-30 mm -1.2"	-30 mm -1.2"	-40 mm -1.6"
Change in Clearance Circle to Outside of Tires	59 mm 2.3"	30 mm 1.2"	72 mm 2.8"	45 mm 1.8"
Change in Clearance Circle to Inside of Tires	-59 mm -2.3"	-30 mm -1.2"	-72 mm -2.8"	-45 mm -1.8"
Change in Operating Weight (without Ballast)	-6456 kg -14,235 lb	-5772 kg -12,727 lb	-5272 kg -11,625 lb	-5064 kg -11,166 lb
Change in Static Tipping Load – Straight	-4910 kg -10,826 lb	-4390 kg -9,679 lb	-4009 kg -8,841 lb	-3851 kg -8,492 lb
Change in Static Tipping Load – Articulated	-4274 kg -9,424 lb	-3821 kg -8,425 lb	-3490 kg -7,696 lb	-3352 kg -7,392 lb
Rear Axle Oscillation Angle	±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"

*Width over tire bulge and includes tire growth.

980 Waste and Scrap Handler Specifications

Tire Options

Tire Brand	MAXAM	MAXAM	MAXAM	MICHELIN
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-3	L-4	L-5	L-3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm 10'9"	3256 mm 10'9"	3268 mm 10'9"	3270 mm 10'9"
Width over Tires – Maximum (loaded)*	3290 mm 10'10"	3282 mm 10'10"	3304 mm 10'11"	3296 mm 10'10"
Change in Vertical Dimensions (average of front and rear)	-28 mm -1.1"	-42 mm -1.7"	-15 mm -0.6"	-49 mm -1.9"
Change in Horizontal Reach	-25 mm -1"	-12 mm -0.5"	-33 mm -1.3"	-8 mm -0.3"
Change in Clearance Circle to Outside of Tires	60 mm 2.4"	52 mm 2.1"	75 mm 2.9"	66 mm 2.6"
Change in Clearance Circle to Inside of Tires	-60 mm -2.4"	-52 mm -2.1"	-75 mm -2.9"	-66 mm -2.6"
Change in Operating Weight (without Ballast)	-6300 kg -13,892 lb	-6160 kg -13,583 lb	-5520 kg -12,172 lb	-6472 kg -14,271 lb
Change in Static Tipping Load – Straight	-4791 kg -10,564 lb	-4685 kg -10,330 lb	-4198 kg -9,257 lb	-4922 kg -10,853 lb
Change in Static Tipping Load – Articulated	-4171 kg -9,196 lb	-4078 kg -8,992 lb	-3654 kg -8,058 lb	-4284 kg -9,447 lb
Rear Axle Oscillation Angle	±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"

*Width over tire bulge and includes tire growth.

Tire Brand	MICHELIN	BRIDGESTONE	BRIDGESTONE	MAXAM	MAXAM	MICHELIN
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4	E-3 / L3	L5
Tread Pattern	XHA2	VTS	VLTS	MS405DX	MS302	XTRA POWER
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"	3333 mm 11'0"	3341 mm 11'0"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"	3363 mm 11'1"	3365 mm 11'1"
Change in Vertical Dimensions (average of front and rear)	-34 mm -1.4"	-28 mm -1.1"	-26 mm -1"	-43 mm -1.7"	-35 mm -1.4"	-17 mm -0.7"
Change in Horizontal Reach	-13 mm -0.5"	-10 mm -0.4"	-12 mm -0.5"	-12 mm -0.5"	-7 mm -0.3"	-31 mm -1.2"
Change in Clearance Circle to Outside of Tires	155 mm 6.1"	129 mm 5.1"	136 mm 5.4"	152 mm 6"	133 mm 5.2"	135 mm 5.3"
Change in Clearance Circle to Inside of Tires	-155 mm -6.1"	-129 mm -5.1"	-136 mm -5.4"	-152 mm -6"	-133 mm -5.2"	-135 mm -5.3"
Change in Operating Weight (without Ballast)	-5812 kg -12,815 lb	-5532 kg -12,198 lb	-5456 kg -12,030 lb	-5464 kg -12,048 lb	-5856 kg -12,912 lb	-5288 kg -11,660 lb
Change in Static Tipping Load – Straight	-4420 kg -9,746 lb	-4207 kg -9,277 lb	-4149 kg -9,149 lb	-4155 kg -9,163 lb	-4453 kg -9,820 lb	-4022 kg -8,867 lb
Change in Static Tipping Load – Articulated	-3848 kg -8,484 lb	-3662 kg -8,075 lb	-3612 kg -7,964 lb	-3617 kg -7,976 lb	-3877 kg -8,548 lb	-3501 kg -7,719 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±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"	340 mm 1'1"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		Standard 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 and 45° Discharge	mm	3292	3187
	ft/in	10'9"	10'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1510	1618
	ft/in	4'11"	5'3"
Reach at Level Lift Arm and Bucket Level	mm	2994	3146
	ft/in	9'9"	10'3"
A† Digging Depth	mm	84	89
	in	3.3"	3.5"
12† Overall Length	mm	9636	9791
	ft/in	31'8"	32'2"
B† Overall Height with Bucket at Maximum Lift	mm	6432	6536
	ft/in	21'2"	21'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7614	7697
	ft/in	25'0"	25'4"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	30 843	29 341
	lb	67,998	64,686
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	26 742	25 353
	lb	58,956	55,895
Breakout Force (§)	kN	226	204
	lbf	50,961	45,862
Operating Weight*	kg	37 482	38 164
	lb	82,633	84,136

* 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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

Operating Specifications – Buckets

Linkage		Standard 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	5.70	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 and 45° Discharge	mm	3233	3123
	ft/in	10'7"	10'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1567	1668
	ft/in	5'1"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3079	3228
	ft/in	10'1"	10'7"
A† Digging Depth	mm	72	89
	in	2.8"	3.5"
12† Overall Length	mm	9711	9873
	ft/in	31'11"	32'5"
B† Overall Height with Bucket at Maximum Lift	mm	6505	6604
	ft/in	21'5"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7648	7739
	ft/in	25'2"	25'5"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	29 816	29 072
	lb	65,733	64,094
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	25 714	25 102
	lb	56,689	55,340
Breakout Force (§)	kN	210	193
	lbf	47,354	43,455
Operating Weight*	kg	38 417	38 286
	lb	84,693	84,406

*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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

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 and 45° Discharge	mm	3205	3150
	ft/in	10'6"	10'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1580	1633
	ft/in	5'2"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3107	3185
	ft/in	10'2"	10'5"
A† Digging Depth	mm	84	84
	in	3.3"	3.3"
12† Overall Length	mm	9749	9826
	ft/in	32'0"	32'3"
B† Overall Height with Bucket at Maximum Lift	mm	6528	6608
	ft/in	21'5"	21'9"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7660	7651
	ft/in	25'2"	25'2"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	30 543	30 324
	lb	67,336	66,854
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	26 455	26 251
	lb	58,323	57,874
Breakout Force (§)	kN	209	199
	lbf	47,109	44,736
Operating Weight*	kg	37 657	37 742
	lb	83,018	83,206

* 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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – 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 and 45° Discharge	mm	3072	2760
	ft/in	10'0"	9'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1490	1650
	ft/in	4'10"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3153	3487
	ft/in	10'4"	11'5"
A† Digging Depth	mm	110	70
	in	4.3"	2.7"
12† Overall Length	mm	9815	10 229
	ft/in	32'3"	33'7"
B† Overall Height with Bucket at Maximum Lift	mm	7135	6962
	ft/in	23'5"	22'11"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7865	7996
	ft/in	25'10"	26'3"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	32 036	29 162
	lb	70,629	64,292
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	27 647	25 104
	lb	60,951	55,346
Breakout Force (§)	kN	204	170
	lbf	46,027	38,413
Operating Weight*	kg	38 659	38 811
	lb	85,228	85,563

*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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

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 and 45° Discharge	mm	3513	3408
	ft/in	11'6"	11'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1513	1621
	ft/in	4'11"	5'3"
Reach at Level Lift Arm and Bucket Level	mm	3154	3306
	ft/in	10'4"	10'10"
A† Digging Depth	mm	82	87
	in	3.2"	3.4"
12† Overall Length	mm	9838	9993
	ft/in	32'4"	32'10"
B† Overall Height with Bucket at Maximum Lift	mm	6653	6757
	ft/in	21'10"	22'2"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8115	8202
	ft/in	26'8"	26'11"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	28 182	26 779
	lb	62,131	59,039
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	24 900	23 585
	lb	54,895	51,997
Breakout Force (§)	kN	230	207
	lbf	51,726	46,562
Operating Weight*	kg	37 616	38 297
	lb	82,928	84,430

*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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

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	5.70	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 and 45° Discharge	mm	3454	3343
	ft/in	11'3"	10'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1570	1671
	ft/in	5'1"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3239	3388
	ft/in	10'7"	11'1"
A† Digging Depth	mm	70	87
	in	2.7"	3.4"
12† Overall Length	mm	9914	10075
	ft/in	32'7"	33'1"
B† Overall Height with Bucket at Maximum Lift	mm	6725	6824
	ft/in	22'1"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8149	8243
	ft/in	26'9"	27'1"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	27 151	26 520
	lb	59,859	58,468
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	23 870	23 340
	lb	52,625	51,456
Breakout Force (§)	kN	213	196
	lbf	48,071	44,123
Operating Weight*	kg	38 550	38 420
	lb	84,988	84,701

* 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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		High Lift 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 and 45° Discharge	mm	3426	3370
	ft/in	11'2"	11'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1583	1636
	ft/in	5'2"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3267	3345
	ft/in	10'8"	10'11"
A† Digging Depth	mm	82	82
	in	3.2"	3.2"
12† Overall Length	mm	9951	10 028
	ft/in	32'8"	32'11"
B† Overall Height with Bucket at Maximum Lift	mm	6749	6829
	ft/in	22'2"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8161	8152
	ft/in	26'10"	26'9"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	27 884	27 671
	lb	61,474	61,005
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	24 613	24 413
	lb	54,262	53,821
Breakout Force (§)	kN	212	202
	lbf	47,822	45,418
Operating Weight*	kg	37 790	37 875
	lb	83,313	83,500

* 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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		High Lift Linkage	
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – 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 and 45° Discharge	mm	3292	2980
	ft/in	10'9"	9'9"
17† Reach at Maximum Lift and 45° Discharge	mm	1493	1653
	ft/in	4'10"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3313	3647
	ft/in	10'10"	11'11"
A† Digging Depth	mm	108	68
	in	4.2"	2.6"
12† Overall Length	mm	10 015	10 424
	ft/in	32'11"	34'3"
B† Overall Height with Bucket at Maximum Lift	mm	7355	7183
	ft/in	24'2"	23'7"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8366	8494
	ft/in	27'6"	27'11"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	28 932	26 460
	lb	63,785	58,335
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	25 448	23 221
	lb	56,104	51,193
Breakout Force (§)	kN	207	174
	lbf	46,738	39,114
Operating Weight*	kg	38 793	38 944
	lb	85,523	85,857

* 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, powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1830
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	19698
		lbs	43414
	Static Tipping Load - Articulated (Forks Level)	kg	17161
		lbs	37823
	Rated Load (SAE J1197 - 50% FTSTL)	kg	8327
		lbs	18352
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8327
		lbs	18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8327
		lbs	18352
3	Maximum Overall Length	mm	10406
		in	409.7
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	-146
		in	-5.8
6	Reach with Arms Horizontal and Forks Level	mm	1839
		in	72.4
7	Reach with Fork at Maximum Height	mm	913
		in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2028
		in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4297
		in	169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5072
		in	199.7
11	Clearance at Full Lift and Max Dump	mm	2681
		in	105.5
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	5246
		lbs	11562
	Operating Weight	kg	36158
		lbs	79693

*Negative values indicate below grade

980 IW STD

Pallet Fork, FUSION

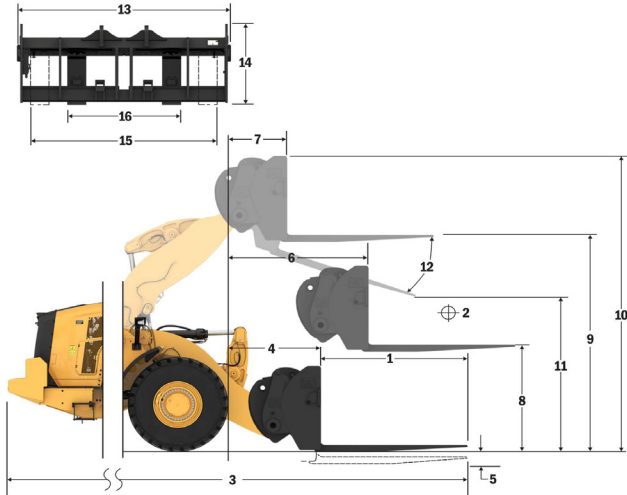
87" Carriage

72" Tine

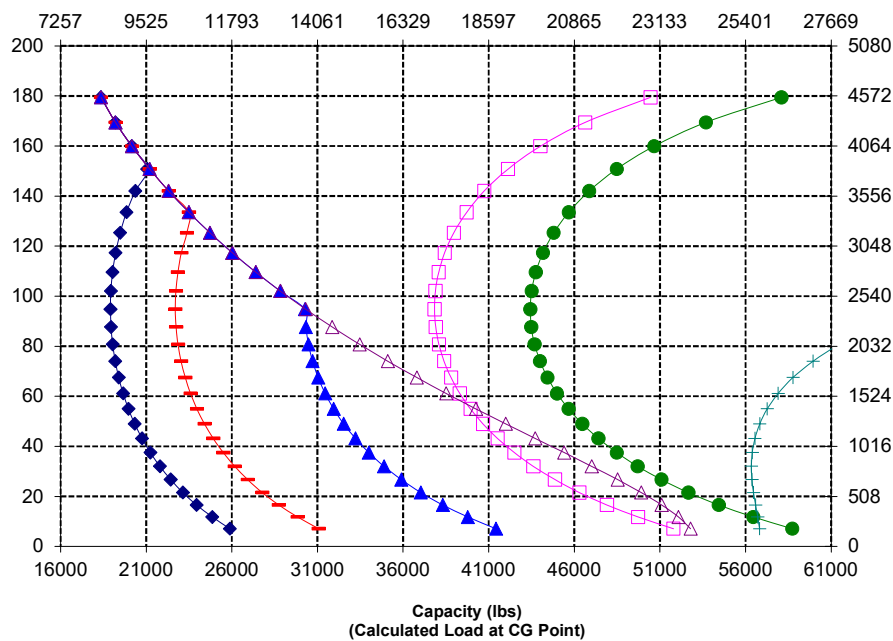
530-1861

530-1869

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste Standard Lift Configuration



Capacity (kg)
(Calculated Load at CG Point)



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

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

980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	914
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	19104
		lbs	42106
	Static Tipping Load - Articulated (Forks Level)	kg	16559
		lbs	36495
	Rated Load (SAE J1197 - 50% FTSTL)	kg	8279
		lbs	18248
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8905
		lbs	19627
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905
		lbs	19627
3	Maximum Overall Length	mm	10369
		in	408.2
4	Reach with Forks at Ground Level	mm	1189
		in	46.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-95
		in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1826
		in	71.9
7	Reach with Fork at Maximum Height	mm	899
		in	35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2099
		in	82.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4368
		in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412
		in	213.1
11	Clearance at Full Lift and Max Dump	mm	2502
		in	98.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	kg	18700
		lbs	41215
	Operating Weight	kg	37035
		lbs	81626

*Negative values indicate below grade

980 IW STD

108" Carriage

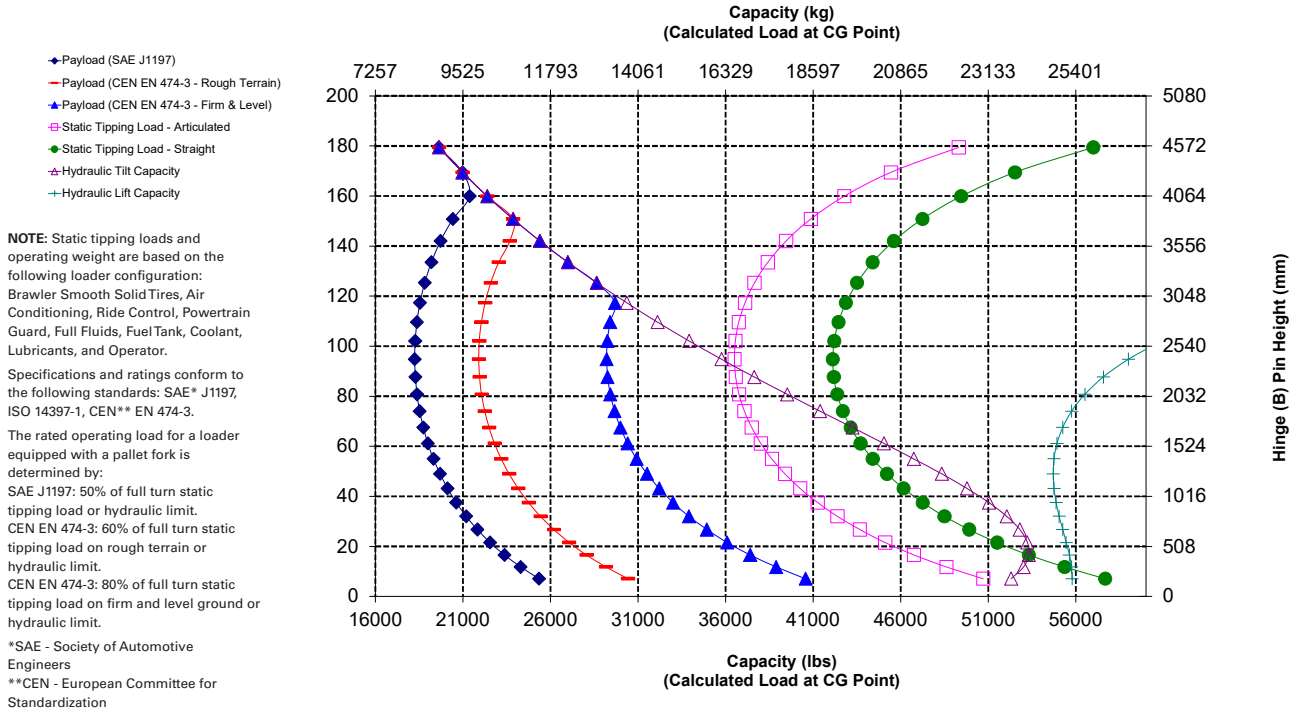
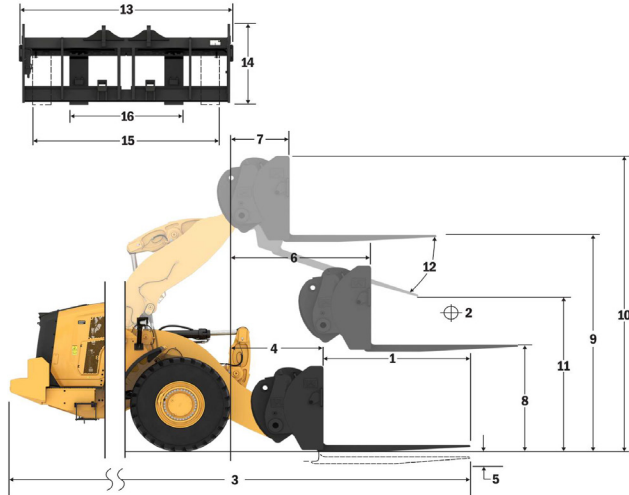
72" Tine

Construction Fork, FUSION

523-4199

523-4200

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste Standard Lift Configuration



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

980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	18247
		lbs	40217
	Static Tipping Load - Articulated (Forks Level)	kg	15803
		lbs	34830
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7902
		lbs	17415
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
		lbs	17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7914
		lbs	17442
3	Maximum Overall Length	mm	10678
		in	420.4
4	Reach with Forks at Ground Level	mm	1193
		in	47.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-95
		in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1826
		in	71.9
7	Reach with Fork at Maximum Height	mm	899
		in	35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2104
		in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4373
		in	172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412
		in	213.1
11	Clearance at Full Lift and Max Dump	mm	2252
		in	88.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	17729
		lbs	39075
	Operating Weight	kg	37137
		lbs	81851

*Negative values indicate below grade

980 IW STD

Construction Fork, FUSION

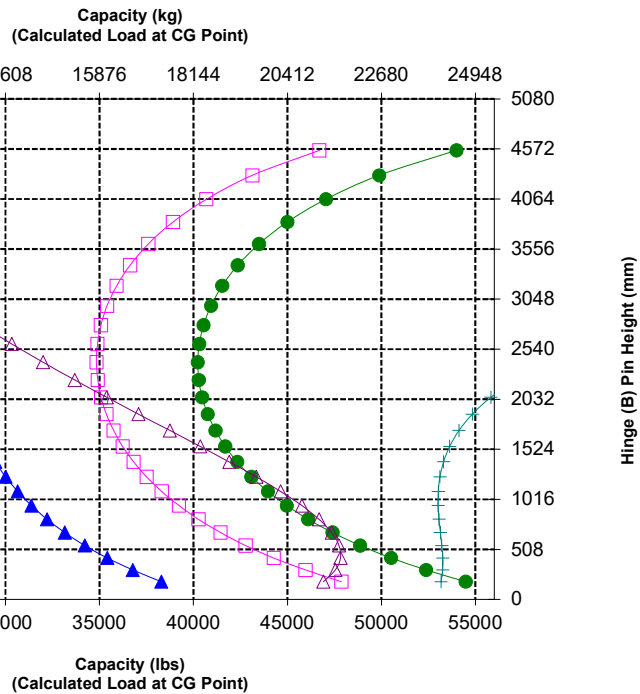
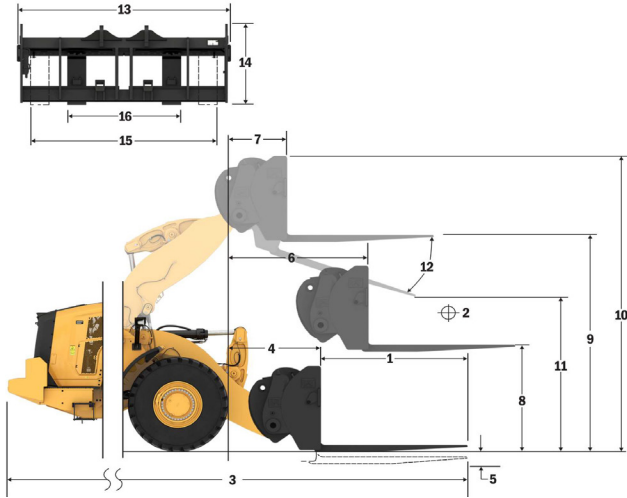
108" Carriage

84" Tine

523-4199

523-4201

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste Standard Lift Configuration

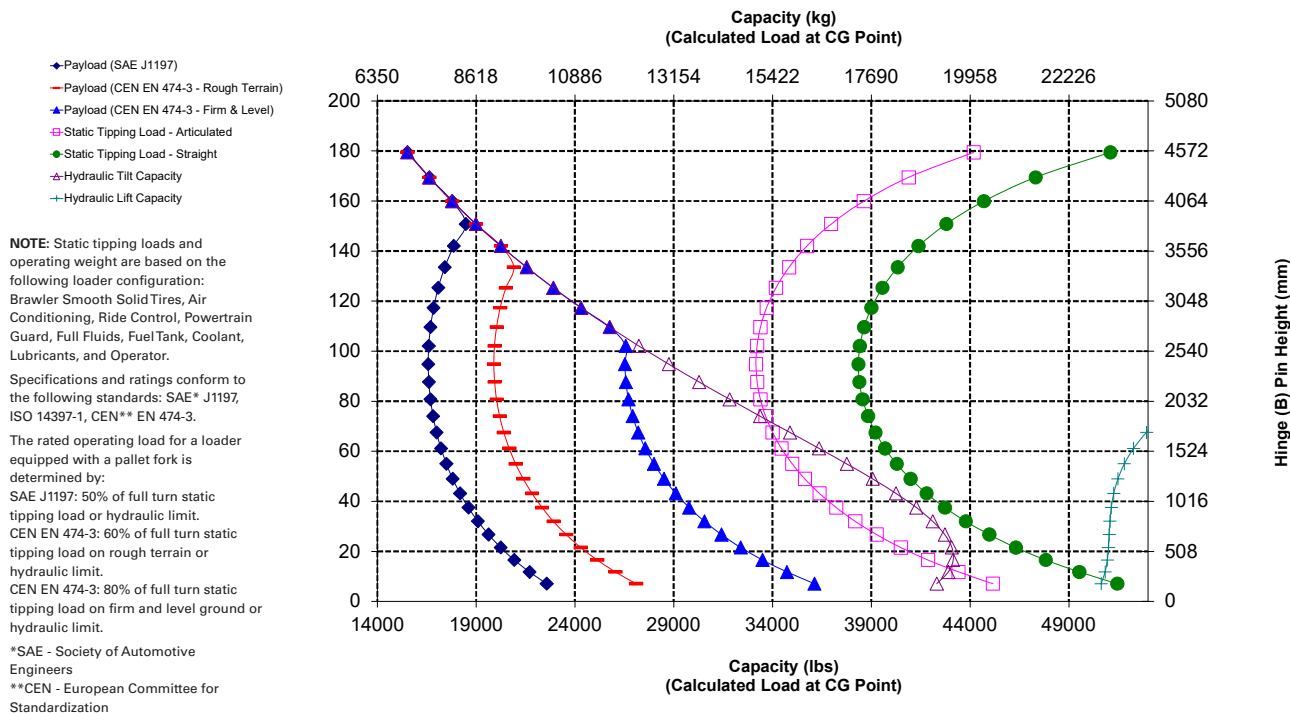


NOTICE: Do not exceed tine load capacity.
Individual tine capacity is stamped on the side of each line.

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	17393 38333
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15043 33156
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7041 15518
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7041 15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7041 15518
3	Maximum Overall Length	mm in	10986 432.5
4	Reach with Forks at Ground Level	mm in	1197 47.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-93 -3.7
6	Reach with Arms Horizontal and Forks Level	mm in	1831 72.1
7	Reach with Fork at Maximum Height	mm in	904 35.6
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 in	4375 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	1998 78.7
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15750 34713
	Operating Weight	kg lbs	37288 82184

Technical drawing of the 3500 model showing side and top views with dimensions. The side view includes dimensions: 13, 14, 16, 15, 7, 6, 12, 2, 4, 1, 11, 9, 8, 10, 3, 5. The top view includes dimensions: 13, 14, 16, 15, 7, 6, 12, 2, 4, 1, 11, 9, 8, 10, 3, 5.



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980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1830
		in	72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	18618
		lbs	41035
	Static Tipping Load - Articulated (Forks Level)	kg	16537
		lbs	36447
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7970
		lbs	17566
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7970
		lbs	17566
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7970
		lbs	17566
3	Maximum Overall Length	mm	10615
		in	417.9
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
		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	2028
		in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4517
		in	177.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5292
		in	208.3
11	Clearance at Full Lift and Max Dump	mm	2846
		in	112.1
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm	840
		in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm	470
		in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	5246
		lbs	11562
	Operating Weight	kg	36296
		lbs	79996

*Negative values indicate below grade

980 IW HL

Pallet Fork, FUSION

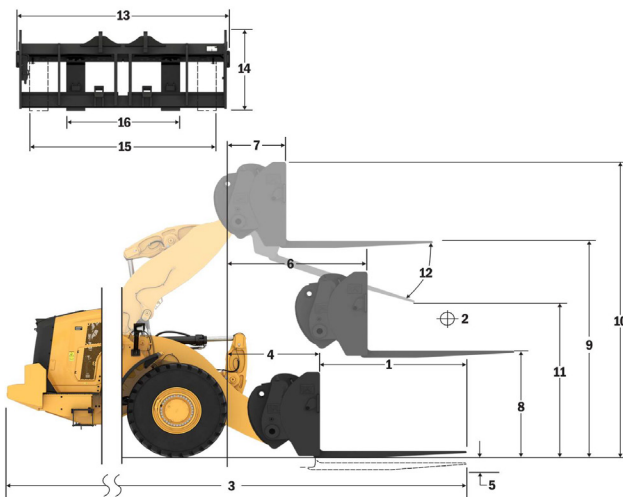
87" Carriage

72" Tine

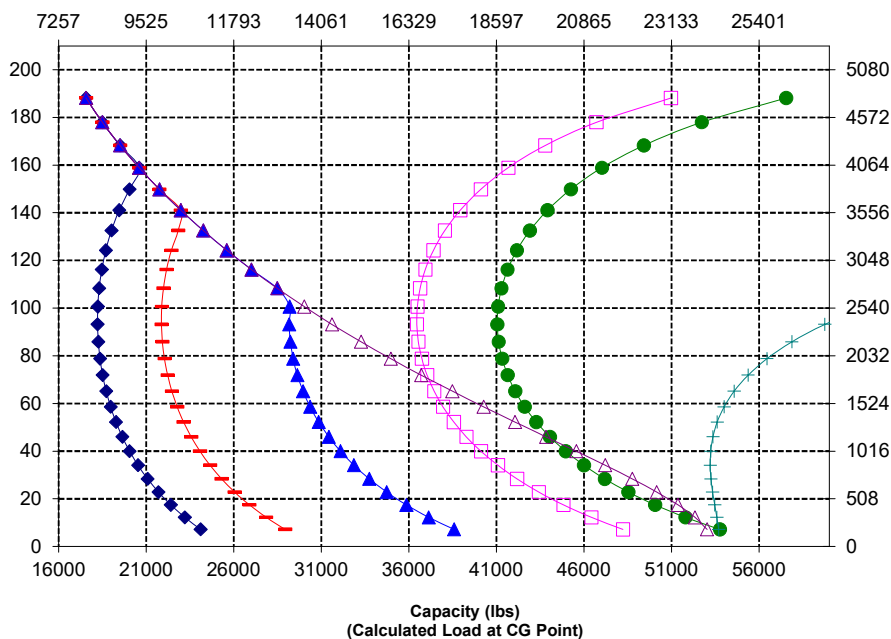
530-1861

530-1869

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste High Lift Configuration



Capacity (kg)
(Calculated Load at CG Point)



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

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

980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	1829
		in	72.0
2	Load Center	mm	914
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	18010
		lbs	39694
	Static Tipping Load - Articulated (Forks Level)	kg	15921
		lbs	35090
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7961
		lbs	17545
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8586
		lbs	18924
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8586
		lbs	18924
3	Maximum Overall Length	mm	10577
		in	416.4
4	Reach with Forks at Ground Level	mm	1397
		in	55.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
		in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1999
		in	78.7
7	Reach with Fork at Maximum Height	mm	915
		in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2101
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4590
		in	180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
		in	221.8
11	Clearance at Full Lift and Max Dump	mm	2678
		in	105.4
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	kg	18700
		lbs	41215
	Operating Weight	kg	37173
		lbs	81929

*Negative values indicate below grade

980 IW HL

Construction Fork, FUSION

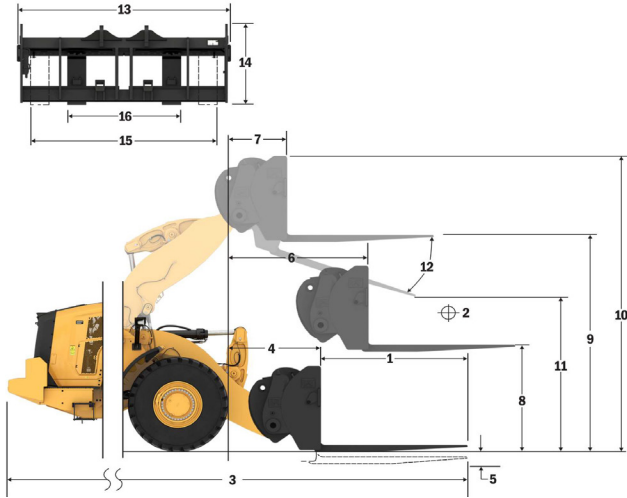
87" Carriage

72" Tine

523-4199

523-4200

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste High Lift Configuration



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Articulated
- Static Tipping Load - Straight
- ▲ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

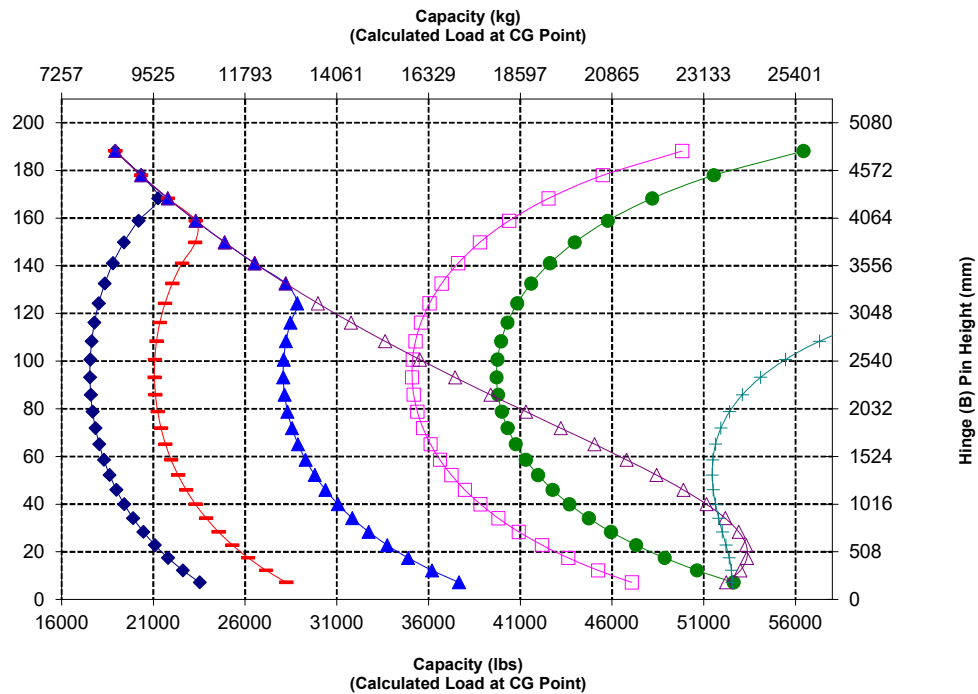
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



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

980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2134
		in	84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	17225
		lbs	37964
	Static Tipping Load - Articulated (Forks Level)	kg	15216
		lbs	33537
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7608
		lbs	16768
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7633
		lbs	16824
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7633
		lbs	16824
3	Maximum Overall Length	mm	10885
		in	428.6
4	Reach with Forks at Ground Level	mm	1401
		in	55.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
		in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1999
		in	78.7
7	Reach with Fork at Maximum Height	mm	915
		in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2106
		in	82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4595
		in	180.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
		in	221.8
11	Clearance at Full Lift and Max Dump	mm	2422
		in	95.4
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	17729
		lbs	39075
	Operating Weight	kg	37275
		lbs	82154

*Negative values indicate below grade

980 IW HL

Pallet Fork, FUSION

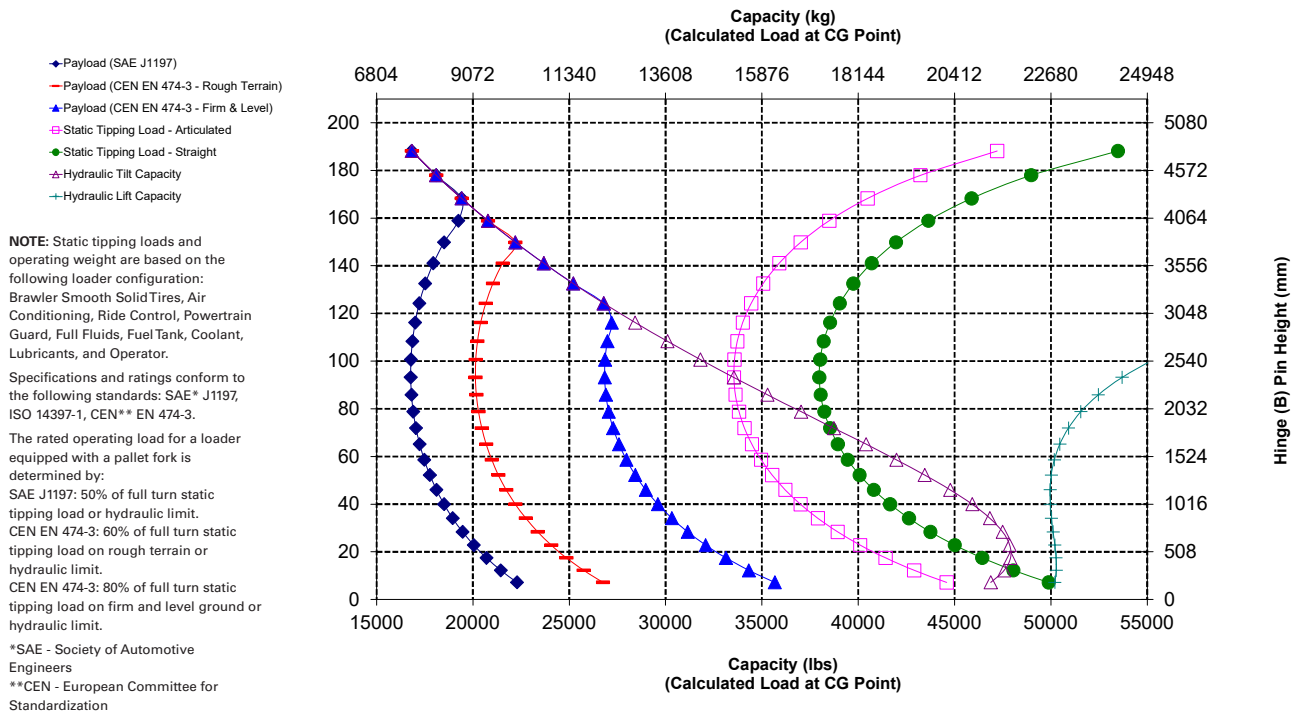
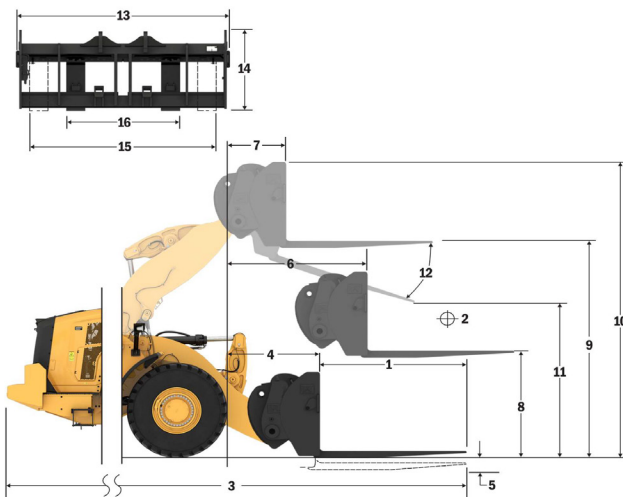
108" Carriage

84" Tine

523-4199

523-4201

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste High Lift Configuration



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

980 Waste and Scrap Handler Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	16436
		lbs	36225
	Static Tipping Load - Articulated (Forks Level)	kg	14502
		lbs	31962
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6791
		lbs	14967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6791
		lbs	14967
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6791
		lbs	14967
3	Maximum Overall Length	mm	11194
		in	440.7
4	Reach with Forks at Ground Level	mm	1405
		in	55.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-89
		in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm	2004
		in	78.9
7	Reach with Fork at Maximum Height	mm	920
		in	36.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2108
		in	83.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4597
		in	181.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
		in	221.8
11	Clearance at Full Lift and Max Dump	mm	2163
		in	85.2
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm	1127
		in	44.4
15	Outside Tine Width (max spread)	mm	2629
		in	103.5
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	15750
		lbs	34713
	Operating Weight	kg	37426
		lbs	82487

*Negative values indicate below grade

980 IW HL

Construction Fork, FUSION

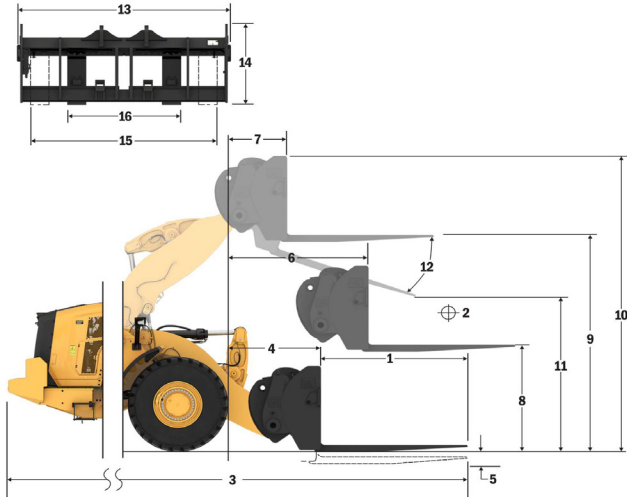
108" Carriage

96" Tine

523-4199

523-4202

*Build 14C
*Parallel Z-Bar Linkage
*Industrial & Waste High Lift Configuration



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Articulated
- Static Tipping Load - Straight
- ▲ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

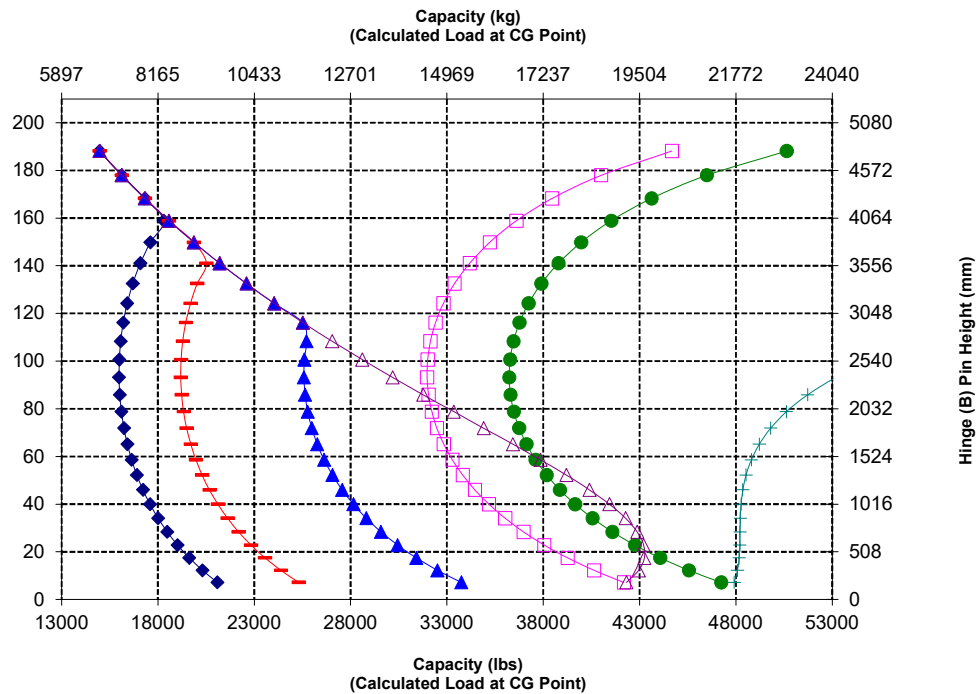
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



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



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 and 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, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

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

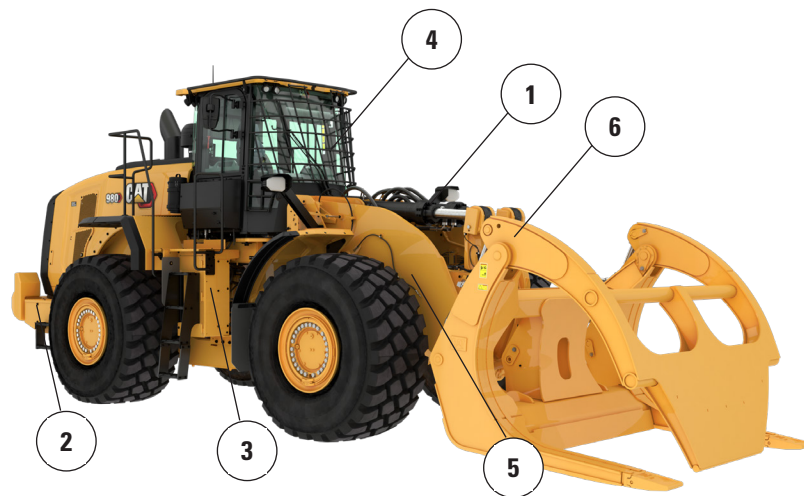
Work in Comfort in the All New Cab

- 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 guarding to provide impact resistance to the glass
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	L-4	L-4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"
Change in Vertical Dimensions (average of front and rear)	-25 mm -1"	-19 mm -0.8"	-16 mm -0.6"	-34 mm -1.3"
Change in Horizontal Reach	18 mm 0.7"	20 mm 0.8"	19 mm 0.7"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires	124 mm 4.9"	99 mm 3.9"	106 mm 4.2"	122 mm 4.8"
Change in Clearance Circle to Inside of Tires	-124 mm -4.9"	-99 mm -3.9"	-106 mm -4.2"	-122 mm -4.8"
Change in Operating Weight (without Ballast)	-40 kg -88 lb	240 kg 529 lb	316 kg 697 lb	308 kg 679 lb
Change in Static Tipping Load – Straight	-30 kg -67 lb	183 kg 402 lb	240 kg 530 lb	234 kg 516 lb
Change in Static Tipping Load – Articulated	-26 kg -58 lb	159 kg 350 lb	209 kg 461 lb	204 kg 450 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.

980 Forestry Machine Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm	2438
		in	96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	15352
		lbs	33835
	Static Tipping Load - Articulated (Forks Level)	kg	13533
		lbs	29826
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6766
		lbs	14913
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8120
		lbs	17896
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	10826
		lbs	23861
3	Maximum Overall Length	mm	11174
		in	439.9
4	Reach with Forks at Ground Level	mm	1318
		in	51.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-143
		in	-5.6
6	Reach with Arms Horizontal and Forks Level	mm	1840
		in	72.4
7	Reach with Fork at Maximum Height	mm	913
		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
		in	228.7
11	Clearance at Full Lift and Max Dump	mm	2165
		in	85.3
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2751
		in	108.3
14	Overall Carriage Height	mm	1575
		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
	Tine Width (single tine)	mm	88.9
		in	3.5
	Tine Thickness	mm	203.2
		in	8.0
	Tine Capacity	kg	11068
		lbs	24393
	Operating Weight	kg	31500
		lbs	69426

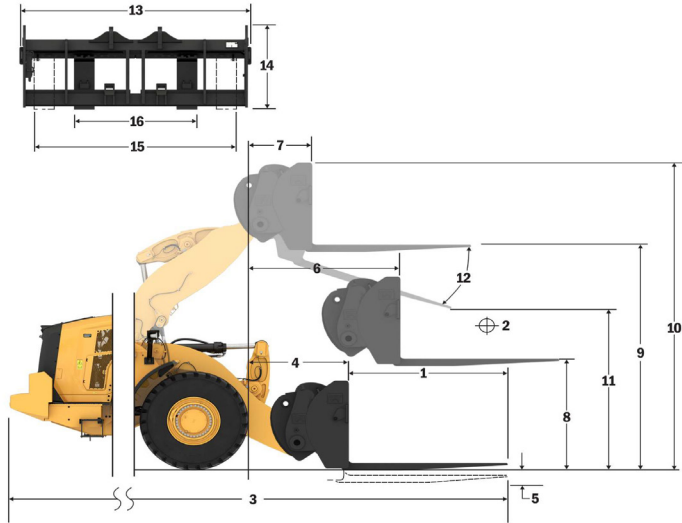
*Negative values indicate below grade

980 LOG

Pallet, Pin-ON

96" Tine

473-9104



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ◆ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Articulated
- Static Tipping Load - Straight
- ◆ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

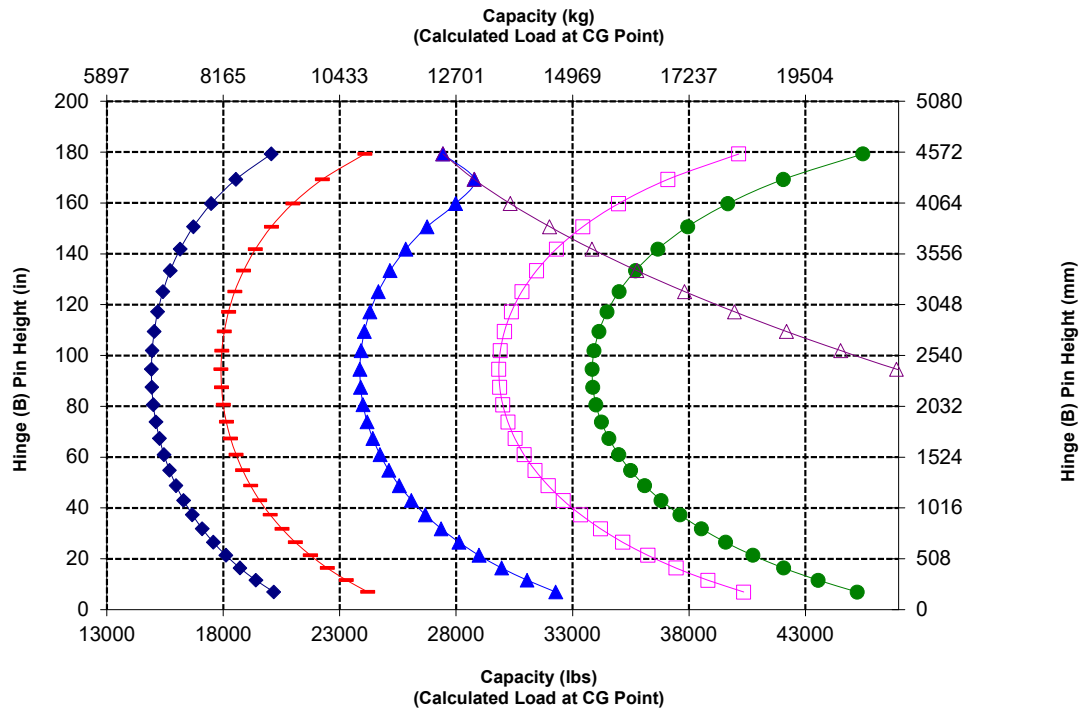
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization



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

980 Forestry Machine Specifications

Fork Specifications

Fork Specifications

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

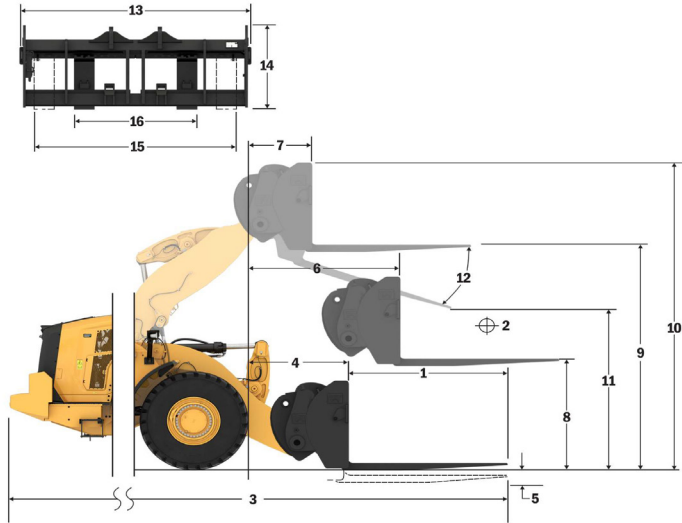
*Negative values indicate below grade

980 LOG

Pallet, Pin-ON

72" Tine

473-9106

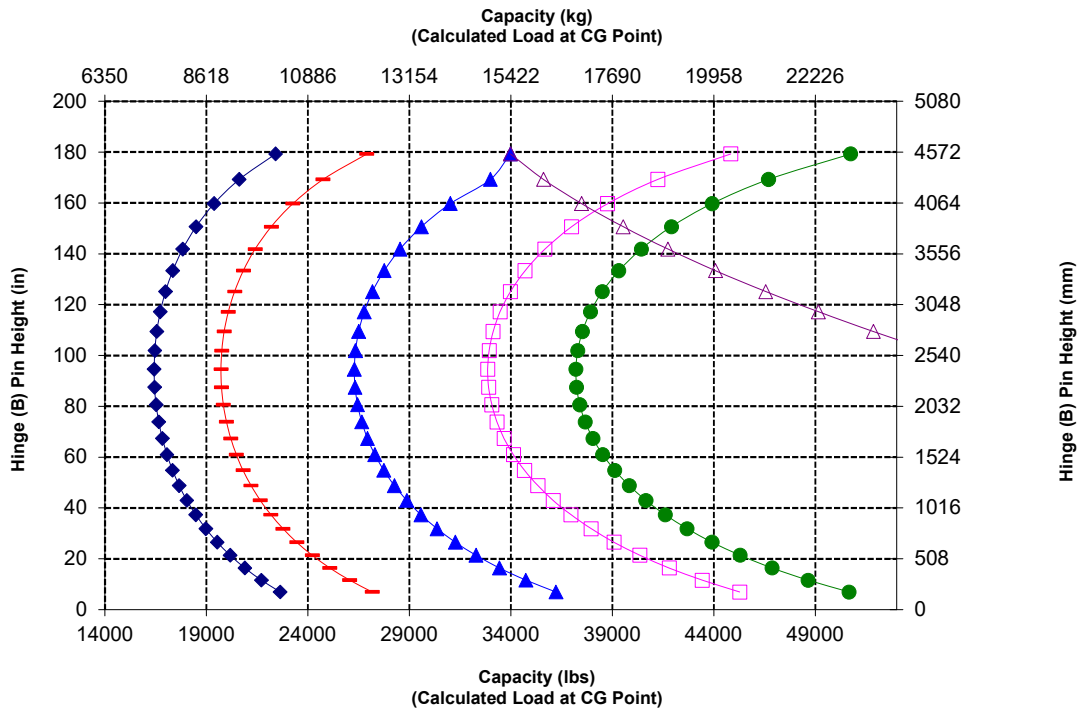


NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

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



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

980 Forestry Machine Specifications

Fork Specifications

Fork Specifications

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

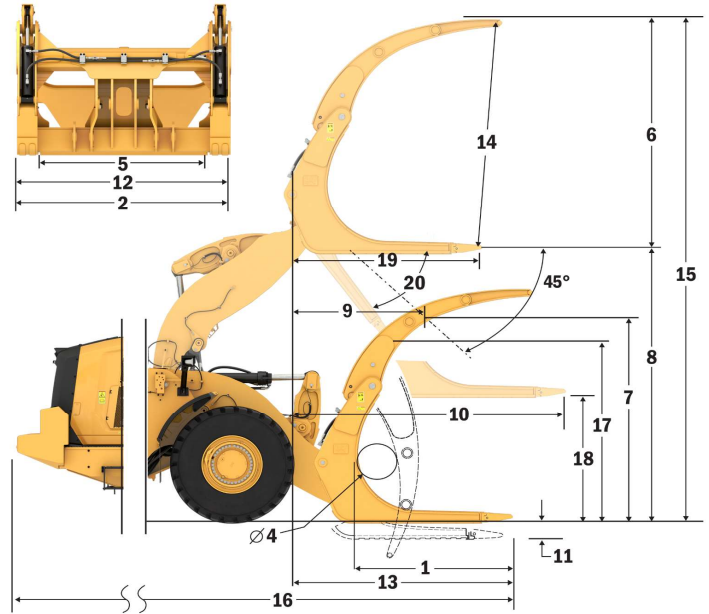
*Negative values indicate below grade

980 LOG

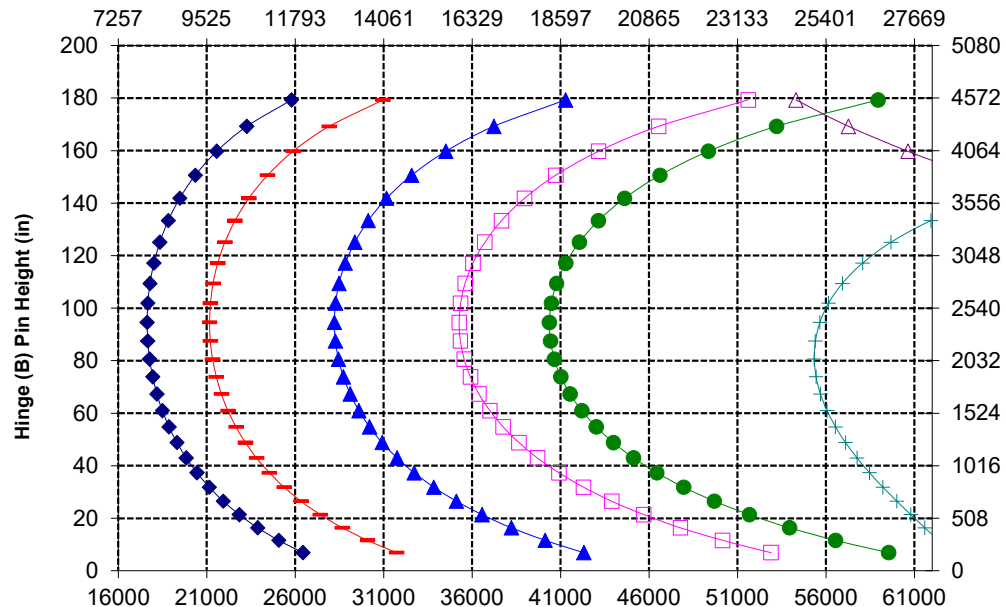
Millyard, Pin-On

72" Tine

507-6128



Capacity (kg)
(Calculated Load at CG Point)



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.

*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	1826 71.9
2	Fork width	mm in	2802 110.3
	End area	m ² ft ²	2.43 26
3	Inside Height (only applies to double top clamp)	mm in	1540 61
4	Min. opening (only applies to millyard forks)	mm in	N/A N/A
	Operating Weight	kg lbs	31970 70481
5	Distance inside of tine tips	mm in	2256 89
	Static tipping load, articulated Fork level	kg lbs	15920 35097.5
	Static tipping load, straight Fork level	kg lbs	18102 39906.6
6	Max. height of fork (w/clamp open if applicable)	mm in	3394 133.6
7	Clearance w/full lift, 45 deg dump (if max. dump <= 45)	mm in	2979 117.3
8	Clearance @ full lift fork level	mm in	4301 169.3
9	Reach w/full lift, 45 deg dump (if max. dump <= 45)	mm in	1603 63.1
10	Reach w/lift arm horizontal and fork level	mm in	3287 129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-77 -3.0
12	Width over tines	mm in	2752 108.4
13	Reach @ ground level	mm in	2570 101
14	Max. opening across tine and clamp	mm in	2936 115.6
15	Overall height of fork @ full lift and clamp open	mm in	7695 303.0
16	Overall length Tip of tine to rear of machine	mm in	9987 393.2
17	Clearance @ full lift and max. dump Discharge (if <= 45)	mm in	2936 115.6
18	Clearance w/horizontal lift arms and fork level	mm in	2032.2 80.0
19	Reach @ full lift and fork level	mm in	2359.9 92.9
20	Max. discharge angle from horizontal	deg rad	47 0.8

383-1822





980

Steel Mill

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 and 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, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.
- Ground-level parking brake override and engine shutdown switches for emergency retrieval.
- Optional rear egress stairs allows for another point of machine exit.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

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

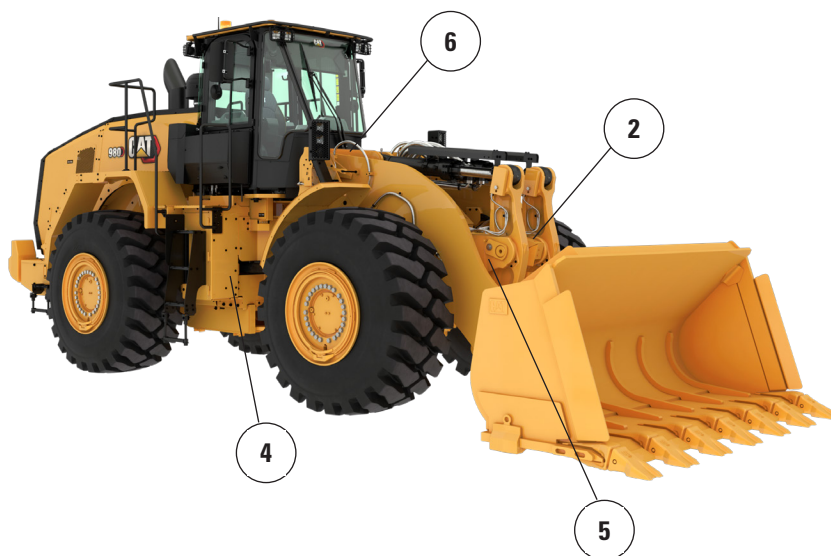
Work in Comfort in the All New Cab

- 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, powertrain, 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 and 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

Tire Options

Tire Brand	BRIDGESTONE	MICHELIN	MICHELIN	MICHELIN
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-4	L-4	L-5	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.

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

980 Steel Mill Specifications

Tire Options

Tire Brand	MAXAM	MAXAM	MAXAM	BRAWLER
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-3	L-4	L-5	L-3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm 10'9"	3256 mm 10'9"	3268 mm 10'9"	3227 mm 10'8"
Width over Tires – Maximum (loaded)*	3290 mm 10'10"	3282 mm 10'10"	3304 mm 10'11"	3230 mm 10'8"
Change in Vertical Dimensions (average of front and rear)	-19 mm -0.8"	-33 mm -1.3"	-6 mm -0.2"	9 mm 0.4"
Change in Horizontal Reach	6 mm 0.2"	19 mm 0.7"	-3 mm -0.1"	30 mm 1.2"
Change in Clearance Circle to Outside of Tires	30 mm 1.2"	22 mm 0.9"	44 mm 1.7"	-30 mm -1.2"
Change in Clearance Circle to Inside of Tires	-30 mm -1.2"	-22 mm -0.9"	-44 mm -1.7"	30 mm 1.2"
Change in Operating Weight (without Ballast)	-528 kg -1,164 lb	-388 kg -856 lb	252 kg 556 lb	5772 kg 12,727 lb
Change in Static Tipping Load – Straight	-402 kg -885 lb	-295 kg -651 lb	192 kg 423 lb	4390 kg 9,679 lb
Change in Static Tipping Load – Articulated	-350 kg -771 lb	-257 kg -566 lb	167 kg 368 lb	3821 kg 8,425 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.

Tire Brand	MICHELIN	BRIDGESTONE	BRIDGESTONE	MAXAM	MAXAM	MICHELIN
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4	E-3 / L3	L5
Tread Pattern	XHA2	VTS	VLTS	MS405DX	MS302	XTRA POWER
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"	3333 mm 11'0"	3341 mm 11'0"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"	3363 mm 11'1"	3365 mm 11'1"
Change in Vertical Dimensions (average of front and rear)	-25 mm -1"	-19 mm -0.8"	-16 mm -0.6"	-34 mm -1.3"	-25 mm -1.0"	-8 mm -0.3"
Change in Horizontal Reach	18 mm 0.7"	20 mm 0.8"	19 mm 0.7"	19 mm 0.7"	23 mm 0.9"	-1 mm 0"
Change in Clearance Circle to Outside of Tires	124 mm 4.9"	99 mm 3.9"	106 mm 4.2"	122 mm 4.8"	103 mm 4.0"	105 mm 4.1"
Change in Clearance Circle to Inside of Tires	-124 mm -4.9"	-99 mm -3.9"	-106 mm -4.2"	-122 mm -4.8"	-103 mm -4.0"	-105 mm -4.1"
Change in Operating Weight (without Ballast)	-40 kg -88 lb	240 kg 529 lb	316 kg 697 lb	308 kg 679 lb	-84 kg -185 lb	484 kg 1,067 lb
Change in Static Tipping Load – Straight	-30 kg -67 lb	183 kg 402 lb	240 kg 530 lb	234 kg 516 lb	-64 kg -141 lb	368 kg 812 lb
Change in Static Tipping Load – Articulated	-26 kg -58 lb	159 kg 350 lb	209 kg 461 lb	204 kg 450 lb	-56 kg -123 lb	320 kg 706 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±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"	340 mm 1'1"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

Operating Specifications – Buckets

Linkage		Standard Linkage
Bucket Type		Slag – Pin-On
Edge Type		Teeth and Segments
Capacity – Rated	m 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 and 45° Discharge	mm	3206
	ft/in	10'6"
17† Reach at Maximum Lift and 45° Discharge	mm	1493
	ft/in	4'10"
Reach at Level Lift Arm and Bucket Level	mm	3021
	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 Maximum Lift	mm	6016
	ft/in	19'9"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7635
	ft/in	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	20 885
	lb	46,031
Static Tipping Load, Straight (No tire deflection)	kg	22 305
	lb	49,161
Static Tipping Load, Articulated (With tire deflection)	kg	17 710
	lb	39,033
Static Tipping Load, Articulated (No tire deflection)	kg	18 982
	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, powertrain 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.

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



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 and 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, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

Safety Features

- Rear Vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional Surround Vision provides 360° visibility around the machine, enhancing an operator's situational awareness.
- Collision Mitigation System utilizes an integrated and intelligent sensor array to provide reverse collision warnings, detect people, inhibit motion, and enable automatic emergency braking.
- Cat Command remote control lets operators work safely from a distance.
- Cab access with wide door, optional remote door opening, and stair-like steps adds solid stability.
- Floor-to-ceiling windshield and large mirrors with integrated spot mirrors provide industry leading all-around visibility.

Reduced Maintenance Time and Costs

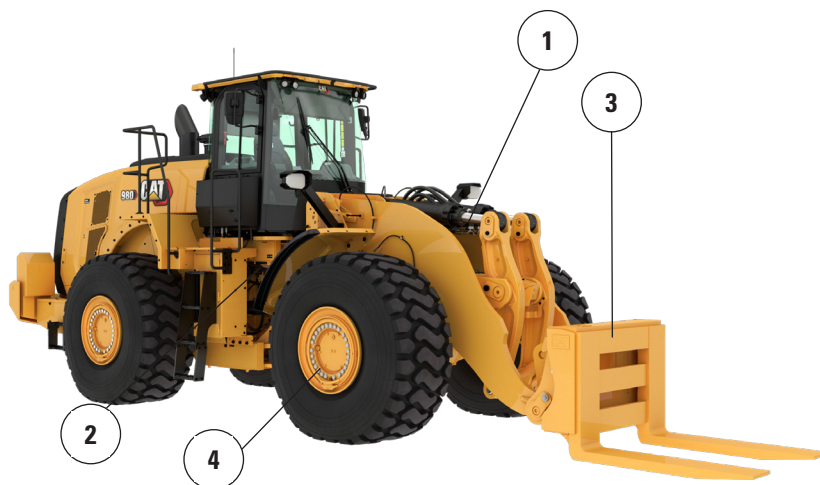
- Extended fluid and filter change intervals help to reduce maintenance costs.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up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

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 Features

1. Larger tilt cylinders for increased load control
2. Extreme service transmission with lock-up clutch torque converter 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 10'9"	3270 mm 10'9"	3250 mm 10'8"
Width over Tires – Maximum (loaded)*	3289 mm 10'10"	3311 mm 10'11"	3275 mm 10'9"
Change in Vertical Dimensions (average of front and rear)		-1 mm 0"	43 mm 1.7"
Change in Horizontal Reach		4 mm 0.1"	-30 mm -1.2"
Change in Clearance Circle to Outside of Tires		22 mm 0.9"	-14 mm -0.6"
Change in Clearance Circle to Inside of Tires		-22 mm -0.9"	14 mm 0.6"
Change in Operating Weight (without Ballast)		348 kg 767 lb	1392 kg 3,069 lb
Change in Static Tipping Load – Straight		265 kg 584 lb	1059 kg 2,334 lb
Change in Static Tipping Load – Articulated		230 kg 508 lb	922 kg 2,032 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

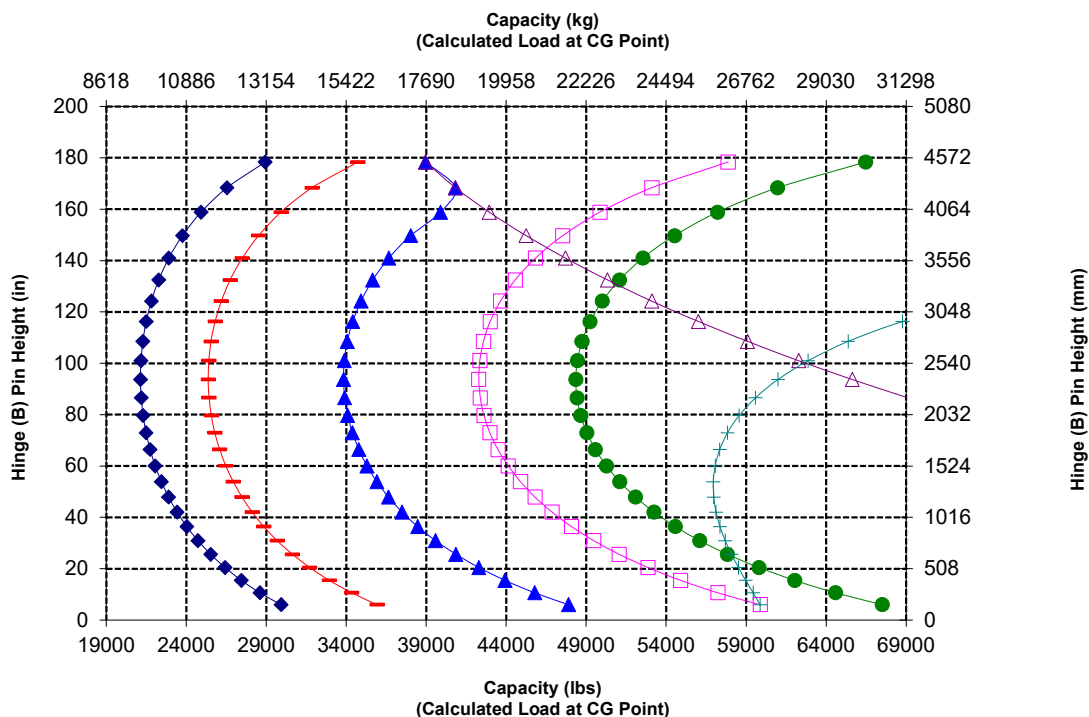
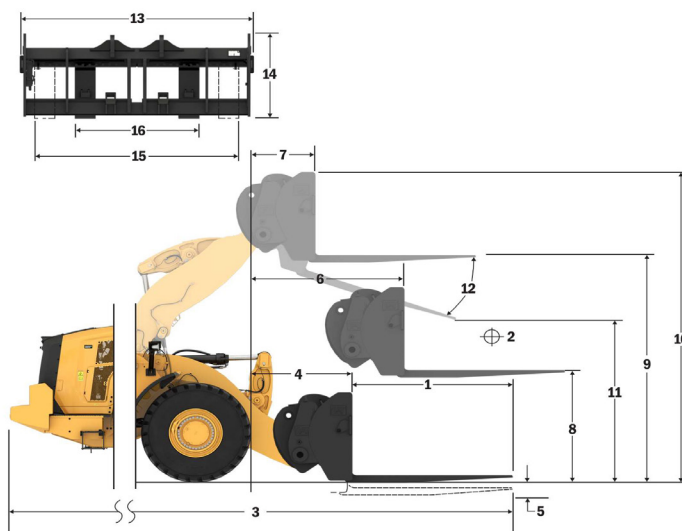
Fork Specifications

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

980 BH

Block Handler Fork

59" Tine
453-9870



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



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



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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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Build Number: 14C
(N Am, Europe, Japan,
China, Korea, Türkiye,
Chile, Colombia)

