

# 980 Wheel Loader

# **Technical Specifications**

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

#### **Table of Contents** Buckets 2 Operating Specifications......2 Tire Options ......5 Standard and Optional Equipment......53 Key Features and Benefits ......56 980 Forestry Machine Configuration..... Key Features and Benefits .......76 Fork Specifications .......81 Key Features and Benefits ......83 Tire Options .......85 Key Features and Benefits ......88 Fork Specifications.......91 Tire Options .......90



Engine		
Engine Model	Cat® C13	
Engine Power @ 1,800 rpm	303 kW	406 hp
ISO 14396:2002	412 hp (meta	ric)
Gross Power @ 1,800 rpm	307 kW	412 hp
SAE J1995:2014	417 hp (meta	ric)
Net Power @ 1,800 rpm	282 kW	378 hp
ISO 9249:2007, SAE J1349:2011	383 hp (meta	ric)
Engine Torque (1,300 rpm)	2172 N·m	1,602 lbf-ft
ISO 14396:2002		
Gross Torque (1,300 rpm)	2192 N·m	1,617 lbf-ft
SAE J1995:2014		
Net Torque (1,000 rpm)	2070 N·m	1,527 lbf-ft
ISO 9249:2007, SAE J1349:2011		
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in <sup>3</sup>

- Cat engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3, EU Stage IIIA, and China Nonroad Stage III.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
- Cat engines are compatible with diesel fuel blended with following lower-carbon intensity fuels\*\* up to:
- 100% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

Buckets		
Bucket Capacities	4.0-14.5 m <sup>3</sup>	5.25-19.0 yd <sup>3</sup>

# Weight Operating Weight 30 344 kg 66,877 lb

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

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

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

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

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

Hydraulic System		
Implement Pump Type	Variable Disp	olacement
	Piston, load s	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 <sup>rd</sup> Function Maximum Flow	240 L/min	63 gal/min
Optional 3 <sup>rd</sup> Function	20 684 kPa	3,000 psi
Maximum Pressure at Work Tool		
Hydraulic Cycle Time with Rated Payloa	d:	
Raise from Carry Position	5.3 sec	
Dump, at Maximum Raise	1.7 sec	
Lower, Empty, Float Down	3.1 sec	
Total	10.1 sec	
Brakes		
Brakes	Brakes meet standards	ISO 3450:2011
Axles		
Front	Fixed	
Rear	Oscillating	
Service Refill Capacities		
Fuel Tank	426 L	112.5 gal
	50 L	13.2 gal
Cooling System		
Cooling System Crankcase	37 L	9.8 gal
	37 L 77 L	9.8 gal 20.3 gal

84 L

153 L

standards

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

22.2 gal

40.4 gal

Differentials and Final Drives - Rear

Hydraulic Tank

ROPS/FOPS

Cab

Sound Performance	
Operator Sound Pressure Level (ISO 6396:2008)	75 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)

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

#### **Air Conditioning System**

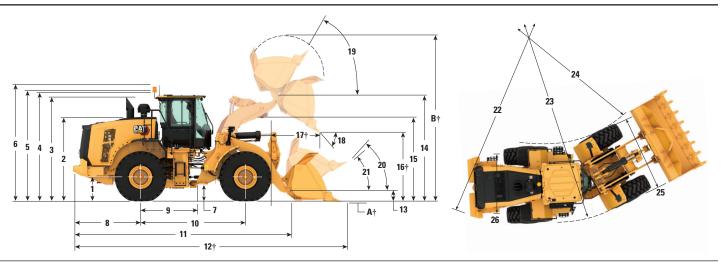
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

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

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

#### **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 deg	rees	54 degrees	
19	Rack Back at Maximum Lift*	61 deg	rees	61 deg	rees
20	Rack Back at Carry Height*	48 deg	rees	50 deg	rees
21	Rack Back at Ground*	40 deg	rees	40 deg	rees
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"

<sup>†</sup>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.

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

## **Tire Options**

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

<sup>\*</sup>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	3250 mm	3270 mm	3256 mm	3268 mm	3227 mm
	10'9"	10'8"	10'9"	10'9"	10'9"	10'8"
Width over Tires – Maximum (loaded)*	3301 mm	3275 mm	3290 mm	3282 mm	3304 mm	3230 mm
	10'10"	10'9"	10'10"	10'10"	10'11"	10'8"
Change in Vertical Dimensions (average of front and rear)	4 mm	20 mm	−19 mm	−33 mm	−6 mm	9 mm
	0.1"	0.8"	−0.8"	−1.3"	−0.2"	0.4"
Change in Horizontal Reach	0 mm	-10 mm	6 mm	19 mm	−3 mm	30 mm
	0"	-0.4"	0.2"	0.7"	−0.1"	1.2"
Change in Clearance Circle to Outside of Tires	41 mm	15 mm	30 mm	22 mm	44 mm	−30 mm
	1.6"	0.6"	1.2"	0.9"	1.7"	−1.2"
Change in Clearance Circle to Inside of Tires	−41 mm	−15 mm	−30 mm	−22 mm	−44 mm	30 mm
	−1.6"	−0.6"	−1.2"	−0.9"	−1.7"	1.2"
Change in Operating Weight (without Ballast)	500 kg	708 kg	−528 kg	−388 kg	252 kg	5772 kg
	1,103 lb	1,561 lb	−1,164 lb	−856 lb	556 lb	12,727 lb
Change in Static Tipping Load – Straight	380 kg	538 kg	-402 kg	−295 kg	192 kg	4390 kg
	838 lb	1,187 lb	-885 lb	−651 lb	423 lb	9,679 lb
Change in Static Tipping Load – Articulated	331 kg	469 kg	−350 kg	−257 kg	167 kg	3821 kg
	730 lb	1,033 lb	−771 lb	−566 lb	368 lb	8,425 lb
Rear Axle Oscillation Angle	±13 degrees	±8 degrees				
Maximum Single-wheel Rise and Fall	549 mm	340 mm				
	1'10"	1'10"	1'10"	1'10"	1'10"	1'1"

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

## **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	3341 mm	3344 mm	3357 mm	3341 mm
	11'1"	11'0"	11'0"	11'1"	11'0"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm	3365 mm
	11'2"	11'1"	11'1"	11'2"	11'1"
Change in Vertical Dimensions	-25 mm	-19 mm	-16 mm	-34 mm	-8 mm
(average of front and rear)	-1"	-0.8"	-0.6"	-1.3"	-0.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm	-1 mm
	0.7"	0.8"	0.7"	0.7"	0"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm	105 mm
	4.9"	3.9"	4.2"	4.8"	4.1"
Change in Clearance Circle to Inside of Tires	−124 mm	−99 mm	−106 mm	-122 mm	−105 mm
	−4.9"	−3.9"	−4.2"	-4.8"	−4.1"
Change in Operating Weight (without Ballast)	-40 kg	240 kg	316 kg	308 kg	484 kg
	-88 lb	529 lb	697 lb	679 lb	1,067 lb
Change in Static Tipping Load – Straight	−30 kg	183 kg	240 kg	234 kg	368 kg
	−67 lb	402 lb	530 lb	516 lb	812 lb
Change in Static Tipping Load – Articulated	−26 kg	159 kg	209 kg	204 kg	320 kg
	−58 lb	350 lb	461 lb	450 lb	706 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"	1'1"

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

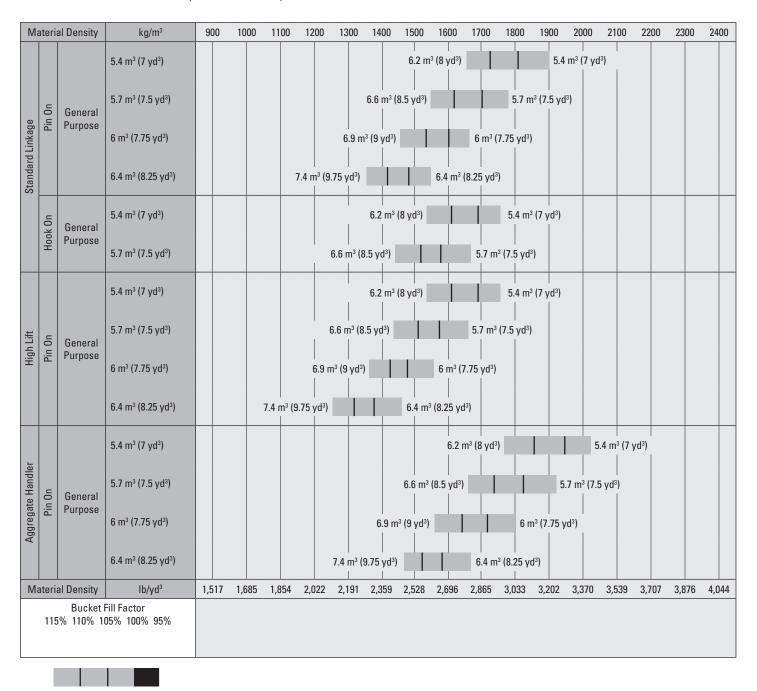
#### **Bucket Fill Factors and Selection Guide**

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

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

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

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



Note: All buckets are showing Bolt-On Edges.

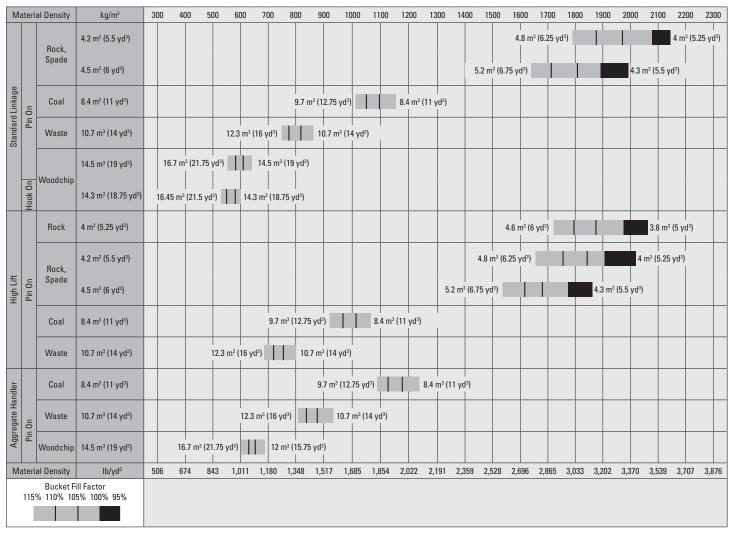
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<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

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



Note: All buckets are showing Bolt-On Edges.

#### **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	mm	3287	3121	3219	3051		
and 45° Discharge	ft/in	10'9"	10'2"	10'6"	10'0"		
17† Reach at Maximum Lift and	mm	1481	1618	1529	1664		
45° Discharge	ft/in	4'10"	5'3"	5'0"	5'5"		
Reach at Level Lift Arm and	mm	2966	3177	3050	3261		
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6435	6435	6258	6258		
Maximum Lift	ft/in	21'2"	21'2"	20'7"	20'7"		
Loader Clearance Circle Radius	mm	7612	7725	7635	7749		
with Bucket at Carry Position	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	kg	24 219	24 032	23 977	23 788		
(Rigid Tire)*	lb	53,380	52,967	52,845	52,429		
Static Tipping Load,	kg	19 706	19 520	19 478	19 291		
Articulated (ISO)*	lb	43,432	43,022	42,931	42,518		
Static Tipping Load, Articulated	kg	20 965	20 777	20 740	20 552		
(Rigid Tire)*	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		

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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**

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 <sup>3</sup>	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"		
6† Dump Clearance at Maximum Lift	mm	3201	3034	3145	2977		
and 45° Discharge	ft/in	10'6"	9'11"	10'3"	9'9"		
7† Reach at Maximum Lift and	mm	1551	1686	1603	1737		
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"		
Reach at Level Lift Arm and	mm	3078	3289	3155	3366		
Bucket Level	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"		
2† Overall Length	mm	9785	10 027	9862	10 104		
	ft/in	32'2"	32'11"	32'5"	33'2"		
<b>B</b> † Overall Height with Bucket at	mm	6284	6284	6604	6604		
Maximum Lift	ft/in	20'8"	20'8"	21'8"	21'8"		
Loader Clearance Circle Radius	mm	7643	7757	7664	7779		
with Bucket at Carry Position	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	kg	23 839	23 649	23 676	23 485		
(Rigid Tire)*	lb	52,541	52,124	52,182	51,762		
Static Tipping Load,	kg	19 343	19 155	19 183	18 994		
Articulated (ISO)*	lb	42,632	42,219	42,280	41,864		
Static Tipping Load, Articulated	kg	20 608	20 418	20 457	20 266		
(Rigid Tire)*	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		

<sup>\*</sup> 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.

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<sup>(</sup>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	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	
	yd³	7.50	7.50	7.75	7.75	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	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"	
6† Dump Clearance at Maximum Lift and 45° Discharge	mm	3219	3051	3201	3037	
	ft/in	10'6"	10'0"	10'6"	9'11"	
7† 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"	
2† 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	mm	7635	7749	7642	7760	
at Carry Position	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	

<sup>\*</sup> 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.

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

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

 $<sup>\</sup>ensuremath{^{\dagger}}$  Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

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 <sup>3</sup>	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	mm	3120	2943	2931		
and 45° Discharge	ft/in	10'2"	9'7"	9'7"		
17† Reach at Maximum Lift and	mm	1444	1566	1625		
45° Discharge	ft/in	4'8"	5'1"	5'4"		
Reach at Level Lift Arm and	mm	3075	3286	3336		
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6257	6257	6551		
Maximum Lift	ft/in	20'7"	20'7"	21'6"		
Loader Clearance Circle Radius	mm	7642	7756	7805		
with Bucket at Carry Position	ft/in	25'1"	25'6"	25'8"		
Static Tipping Load, Straight (ISO)*	kg	22 062	21 878	21 810		
	1b	48,626	48,220	48,069		
Static Tipping Load, Straight	kg	23 432	23 246	23 281		
(Rigid Tire)*	1b	51,644	51,234	51,313		
Static Tipping Load,	kg	19 030	18 846	18 738		
Articulated (ISO)*	lb	41,943	41,536	41,300		
Static Tipping Load, Articulated	kg	20 254	20 068	20 060		
(Rigid Tire)*	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		

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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			
	yd³	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"			
6† Dump Clearance at Maximum Lift	mm	3134	3134			
and 45° Discharge	ft/in	10'3"	10'3"			
7† Reach at Maximum Lift and	mm	1768	1768			
45° Discharge	ft/in	5'9"	5'9"			
Reach at Level Lift Arm and	mm	3278	3278			
Bucket Level	ft/in	10'9"	10'9"			
A† Digging Depth	mm	83	83			
	in	3.2"	3.2"			
2† Overall Length	mm	9990	9990			
	ft/in	32'10"	32'10"			
3† Overall Height with Bucket at	mm	6209	6209			
Maximum Lift	ft/in	20'5"	20'5"			
Loader Clearance Circle Radius	mm	7738	7738			
with Bucket at Carry Position	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	kg	24 871	24 523			
(Rigid Tire)*	lb	54,817	54,064			
Static Tipping Load,	kg	20 232	19 867			
Articulated (ISO)*	lb	44,593	43,801			
Static Tipping Load, Articulated	kg	21 513	21 158			
(Rigid Tire)*	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			

<sup>\*</sup> 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.

(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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

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 <sup>3</sup>	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	mm	3183	3017	3117	2950
and 45° Discharge	ft/in	10'5"	9'10"	10'2"	9'8"
17† Reach at Maximum Lift and	mm	1588	1724	1640	1775
45° Discharge	ft/in	5'2"	5'7"	5'4"	5'9"
Reach at Level Lift Arm and	mm	3116	3327	3200	3411
Bucket Level	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>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6532	6532	6599	6599
Maximum Lift	ft/in	21'6"	21'6"	21'8"	21'8"
Loader Clearance Circle Radius	mm	7694	7817	7721	7845
with Bucket at Carry Position	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	kg	22 728	22 542	22 511	22 324
(Rigid Tire)*	lb	50,092	49,682	49,615	49,202
Static Tipping Load,	kg	18 354	18 169	18 140	17 954
Articulated (ISO)*	lb	40,452	40,046	39,981	39,572
Static Tipping Load, Articulated	kg	19 576	19 390	19 372	19 185
(Rigid Tire)*	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

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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			General Pur	rpose – 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	mm	3508	3342	3439	3272
and 45° Discharge	ft/in	11'6"	10'11"	11'3"	10'8"
17† Reach at Maximum Lift and	mm	1484	1621	1532	1667
45° Discharge	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and	mm	3126	3337	3210	3421
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6656	6656	6478	6478
Maximum Lift	ft/in	21'11"	21'11"	21'4"	21'4"
Loader Clearance Circle Radius	mm	8114	8226	8137	8250
with Bucket at Carry Position	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	kg	23 629	23 444	23 391	23 205
(Rigid Tire)*	lb	52,093	51,686	51,569	51,159
Static Tipping Load,	kg	19 613	19 430	19 388	19 204
Articulated (ISO)*	lb	43,239	42,835	42,744	42,338
Static Tipping Load, Articulated	kg	20 802	20 617	20 580	20 394
(Rigid Tire)*	1b	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

<sup>\*</sup> 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.

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

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

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

Linkage		High Lit	ft 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		
	yd³	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	mm	3421	3254	3366	3198		
and 45° Discharge	ft/in	11'2"	10'8"	11'0"	10'5"		
17† Reach at Maximum Lift and	mm	1554	1688	1606	1740		
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"		
Reach at Level Lift Arm and	mm	3238	3449	3315	3526		
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6504	6504	6824	6824		
Maximum Lift	ft/in	21'5"	21'5"	22'5"	22'5"		
Loader Clearance Circle Radius	mm	8144	8258	8166	8279		
with Bucket at Carry Position	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	kg	23 253	23 067	23 090	22 902		
(Rigid Tire)*	lb	51,265	50,855	50,905	50,491		
Static Tipping Load,	kg	19 252	19 068	19 092	18 906		
Articulated (ISO)*	lb	42,445	42,038	42,091	41,681		
Static Tipping Load, Articulated	kg	20 446	20 260	20 294	20 106		
(Rigid Tire)*	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		

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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.

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		
	yd³	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	mm	3421	3254	3366	3198		
and 45° Discharge	ft/in	11'2"	10'8"	11'0"	10'5"		
17† Reach at Maximum Lift and	mm	1554	1688	1606	1740		
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"		
Reach at Level Lift Arm and	mm	3238	3449	3315	3526		
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6504	6504	6824	6824		
Maximum Lift	ft/in	21'5"	21'5"	22'5"	22'5"		
Loader Clearance Circle Radius	mm	8144	8258	8166	8279		
with Bucket at Carry Position	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	kg	23 253	23 067	23 090	22 902		
(Rigid Tire)*	lb	51,265	50,855	50,905	50,491		
Static Tipping Load,	kg	19 252	19 068	19 092	18 906		
Articulated (ISO)*	lb	42,445	42,038	42,091	41,681		
Static Tipping Load, Articulated	kg	20 446	20 260	20 294	20 106		
(Rigid Tire)*	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		

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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.

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 <sup>3</sup>	5.70	5.70	8.20		
	$yd^3$	7.50	7.50	10.75		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	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	mm	3340	3163	3152		
and 45° Discharge	ft/in	10' 11"	10' 4"	10'4"		
17† Reach at Maximum Lift and	mm	1447	1569	1628		
45° Discharge	ft/in	4' 8"	5' 1"	5'4"		
Reach at Level Lift Arm and	mm	3235	3446	3496		
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6477	6477	6771		
Maximum Lift	ft/in	21' 3"	21' 3"	22'3"		
Loader Clearance Circle Radius	mm	8143	8257	8305		
with Bucket at Carry Position	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	kg	22882	22699	22 672		
(Rigid Tire)*	lb	50,448	50,044	49,983		
Static Tipping Load,	kg	18961	18779	18 633		
Articulated (ISO)*	lb	41,802	41,401	41,080		
Static Tipping Load, Articulated	kg	20119	19935	19 877		
(Rigid Tire)*	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		

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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			
	yd³	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"			
6† Dump Clearance at Maximum Lift	mm	3353	3354			
and 45° Discharge	ft/in	11'0"	11'0"			
7† Reach at Maximum Lift and	mm	1770	1770			
45° Discharge	ft/in	5'9"	5'9"			
Reach at Level Lift Arm and	mm	3439	3438			
Bucket Level	ft/in	11'3"	11'3"			
A† Digging Depth	mm	81	81			
	in	3.2"	3.2"			
2† Overall Length	mm	10 197	10 196			
	ft/in	33'6"	33'6"			
3† Overall Height with Bucket at	mm	6422	6414			
Maximum Lift	ft/in	21'1"	21'1"			
Loader Clearance Circle Radius	mm	8240	8240			
with Bucket at Carry Position	ft/in	27'1"	27'1"			
Static Tipping Load, Straight (ISO)*	kg	22 915	22 533			
	1b	50,520	49,678			
Static Tipping Load, Straight	kg	24 244	23 863			
(Rigid Tire)*	1b	53,449	52,610			
Static Tipping Load,	kg	20 122	19 755			
Articulated (ISO)*	lb	44,362	43,553			
Static Tipping Load, Articulated	kg	21 330	20 966			
(Rigid Tire)*	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			

<sup>\*</sup> 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.

(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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

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 <sup>3</sup>	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 <sup>3</sup>	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	mm	3403	3237	3339	3175	
and 45° Discharge	ft/in	11'2"	10'7"	10'11"	10'5"	
17† Reach at Maximum Lift and	mm	1591	1727	1641	1776	
45° Discharge	ft/in	5'2"	5'8"	5'4"	5'9"	
Reach at Level Lift Arm and	mm	3276	3487	3358	3567	
Bucket Level	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>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6752	6752	6820	6820	
Maximum Lift	ft/in	22'2"	22'2"	22'5"	22'5"	
Loader Clearance Circle Radius	mm	8199	8321	8240	8351	
with Bucket at Carry Position	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	kg	22 185	22 002	21 946	21 787	
(Rigid Tire)*	lb	48,910	48,506	48,382	48,034	
Static Tipping Load,	kg	18 288	18 106	18 055	17 898	
Articulated (ISO)*	lb	40,318	39,918	39,805	39,460	
Static Tipping Load, Articulated	kg	19 444	19 261	19 217	19 058	
(Rigid Tire)*	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	

<sup>\*</sup> 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.

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

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

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

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

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

<sup>(</sup>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.

Linkage			Aggregate H	andler Linkage	
Bucket Type			General Pur	pose – 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
	yd³	7.00	7.00	7.50	7.50
Capacity - Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30
	yd³	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	mm	3287	3121	3219	3051
and 45° Discharge	ft/in	10'9"	10'2"	10'6"	10'0"
17† Reach at Maximum Lift and	mm	1481	1618	1529	1664
45° Discharge	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and	mm	2966	3177	3050	3261
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6435	6435	6258	6258
Maximum Lift	ft/in	21'2"	21'2"	20'7"	20'7"
Loader Clearance Circle Radius	mm	7612	7725	7635	7749
with Bucket at Carry Position	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	kg	25 939	25 752	25 687	25 498
(Rigid Tire)*	1b	57,171	56,758	56,615	56,199
Static Tipping Load,	kg	21 012	20 826	20 776	20 589
Articulated (ISO)*	lb	46,312	45,902	45,792	45,380
Static Tipping Load, Articulated	kg	22 406	22 218	22 173	21 984
(Rigid Tire)*	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
- <del>-</del> -	lb	68,290	68,595	68,473	68,778

<sup>\*</sup> 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.

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

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

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

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

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

<sup>(</sup>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.

Linkage		Aggregate H	andler Linkage		
Bucket Type			General Pui	rpose – Pin On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m <sup>3</sup>	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 <sup>3</sup>	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	mm	3201	3034	3145	2977
and 45° Discharge	ft/in	10'6"	9'11"	10'3"	9'9"
17† Reach at Maximum Lift and	mm	1551	1686	1603	1737
45° Discharge	ft/in	5'1"	5'6"	5'3"	5'8"
Reach at Level Lift Arm and	mm	3078	3289	3155	3366
Bucket Level	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>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6284	6284	6604	6604
Maximum Lift	ft/in	20'8"	20'8"	21'8"	21'8"
Loader Clearance Circle Radius	mm	7643	7757	7664	7779
with Bucket at Carry Position	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	kg	25 547	25 357	25 377	25 186
(Rigid Tire)*	lb	56,305	55,888	55,932	55,512
Static Tipping Load,	kg	20 638	20 451	20 472	20 283
Articulated (ISO)*	lb	45,488	45,074	45,121	44,705
Static Tipping Load, Articulated	kg	22 038	21 849	21 882	21 691
(Rigid Tire)*	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

<sup>\*</sup> 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.

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

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

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

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

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

<sup>(</sup>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.

Linkage		Aggregate Handler Linkag	e		
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 <sup>3</sup>	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	mm	3120	2943	2931	
and 45° Discharge	ft/in	10'2"	9'7"	9'7"	
17† Reach at Maximum Lift and	mm	1444	1566	1625	
45° Discharge	ft/in	4'8"	5'1"	5'4"	
Reach at Level Lift Arm and	mm	3075	3286	3336	
Bucket Level	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>B</b> † Overall Height with Bucket at	mm	6257	6257	6551	
Maximum Lift	ft/in	20'7"	20'7"	21'6"	
Loader Clearance Circle Radius	mm	7642	7756	7805	
with Bucket at Carry Position	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	kg	25 111	24 925	24 984	
(Rigid Tire)*	lb	55,346	54,936	55,065	
Static Tipping Load,	kg	20 307	20 122	20 023	
Articulated (ISO)*	lb	44,757	44,350	44,131	
Static Tipping Load, Articulated	kg	21 661	21 475	21 486	
(Rigid Tire)*	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	

<sup>\*</sup> 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.

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

 $<sup>\</sup>ensuremath{^{\dagger}}\xspace$  Illustration shown with Dimension charts.

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

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

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

<sup>(</sup>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.

Linkage		Aggregate H	andler 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
	yd³	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	mm	3183	3017	3117	2950
and 45° Discharge	ft/in	10'5"	9'10"	10'2"	9'8"
17† Reach at Maximum Lift and	mm	1588	1724	1640	1775
45° Discharge	ft/in	5'2"	5'7"	5'4"	5'9"
Reach at Level Lift Arm and	mm	3116	3327	3200	3411
Bucket Level	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>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6532	6532	6599	6599
Maximum Lift	ft/in	21'6"	21'6"	21'8"	21'8"
Loader Clearance Circle Radius	mm	7694	7817	7721	7845
with Bucket at Carry Position	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	kg	24 393	24 207	24 170	23 983
(Rigid Tire)*	lb	53,763	53,353	53,271	52,858
Static Tipping Load,	kg	19 618	19 434	19 398	19 212
Articulated (ISO)*	lb	43,239	42,833	42,753	42,344
Static Tipping Load, Articulated	kg	20 971	20 785	20 762	20 574
(Rigid Tire)*	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

<sup>\*</sup> 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.

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

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

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

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

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

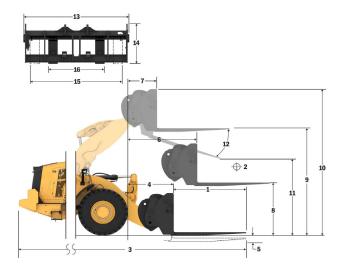
<sup>(</sup>Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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

#### **Fork Specifications**

	ik Opcomoduona		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15570
		lbs	34316
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	13586 29943
		kg	6793
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14971
	Detect   cod (CEN EN 474 C Decemb Terreita COO) (FTCT)	ka	8151
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17966
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8327
	Rated Load (CEN EN 474-3 Film and Level Glound - 60 % F131L)	lbs	18352
3	Maximum Overall Length	mm	10442
ŭ	Muximum Overali Edilgar	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 1809
6	Reach with Arms Horizontal and Forks Level	mm in	71.2
_		mm	883
7	Reach with Fork at Maximum Height	in	34.7
_	One and to Top of Time with Association and Fordal and	mm	2024
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4292
9	Ground to Top of Time at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
	Overdam resignition is one desirable and carried or sample to ground)	in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676
	·	in	105.4
12	Max Discharge Angle from Horizontal	deg	45
		mm	2217
13	Overall Carriage Width	in	87.3
	Our well Or mirror Hairabet	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
13	Outside Title Width (Max Spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
	Catalac Tino Trian (Timi oproda)	in	18.5
	Tine Width (single tine)	mm	150.0
	( 3 /	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	ka Ibs	5246 11562
		ka	29081
	Operating Weight	lbs	64093
		IDO	J-1033

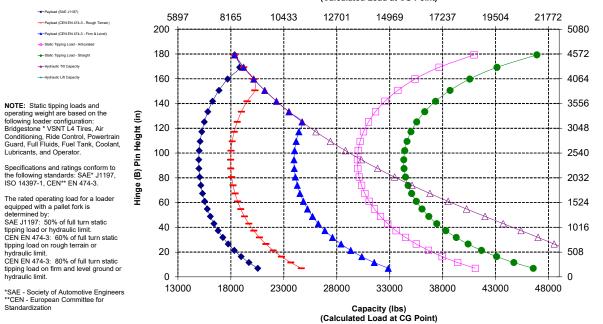




Payload (CEN EN 474-3 - Firm & Level

Lubricants, and Operator.

## 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.

Hinge (B) Pin Height (mm)

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

## **Fork Specifications**

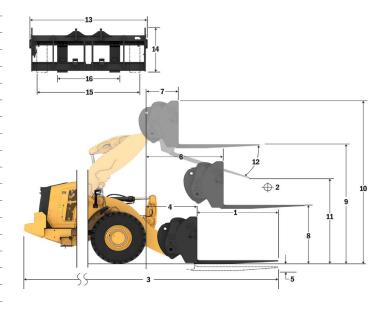
. 0	ik Opecifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Ochici	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15292 33703
		kq	13299
	Static Tipping Load - Articulated (Forks Level)	lbs	29312
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6650
	Trailed Load (SAL 31197 - 30 % 1 131L)	lbs	14656
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7980
	,	lbs	17587
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq lbs	8691 19155
_	W : 0 III II	mm	10383
3	Maximum Overall Length	in	408.8
4	Reach with Forks at Ground Level	mm	1141
	Treach with Forks at Ground Ecver	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 in	1797 70.7
_		mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	Glound to Top of Time with Arms Horizontal and Fork Level	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 in	5443 214.3
		mm	2597
11	Clearance at Full Lift and Max Dump	in	102.3
12	Max Discharge Angle from Horizontal		51
-12	Wax Discharge Angle Iron Florizonial	deg	
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
45	O. 4-1-1- Time MARINE (	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Title Width (mint spicad)	in	23.2
	Tine Width (single tine)	mm	180.0
	, ,	in	7.1 90.0
	Tine Thickness	mm in	3.5
	T 0	kg	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	29520
	Operating Weight	lbs	65061
	*Negative values indicate below goods		



\*Build 14A

\*Parallel Z-Bar Linkage

\*Standard Lift Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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

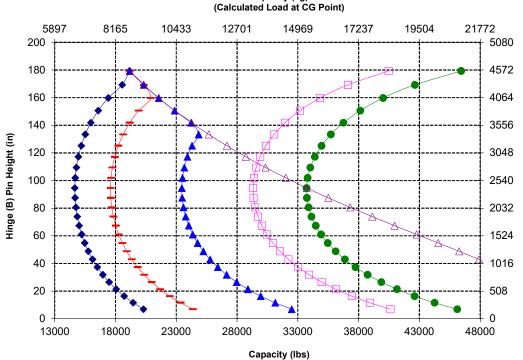


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

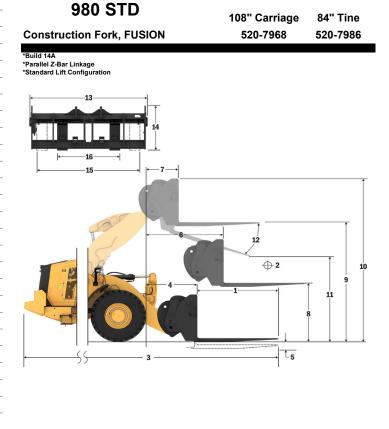
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (lbs)
(Calculated Load at CG Point)

#### **Fork Specifications**

	n opcomounone		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	14622
	,	lbs kg	32227 12709
	Static Tipping Load - Articulated (Forks Level)	lbs	28010
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6354
	Traited Load (GAL 91197 - 30701 1012)	lbs	14005
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7625
		lbs ka	16806 7759
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17102
3	Maximum Overall Length	mm	10688
	Iviaximum Overali Lengui	in	420.8
4	Reach with Forks at Ground Level	mm	1141
		in mm	44.9 -65
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
-	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
	<u> </u>	in	34.2 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
	Ground to Top of Time at Maximum Height and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
	· · · · · · · · · · · · · · · · · · ·	in mm	214.3 2359
11	Clearance at Full Lift and Max Dump	in	92.9
12	Max Discharge Angle from Horizontal		51
-12	Max Discharge Angle Iron Horizonial	deg	
13	Overall Carriage Width	mm	2833
	<u> </u>	in mm	111.5 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
-13	Outside Tille Width (Max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	· , ,	in mm	23.2 180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THORIESS	in	3.5
	Tine Capacity	kg	12700
		lbs	27991
	Operating Weight	kg lbs	29582 65198
		ins	00190



# 

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.

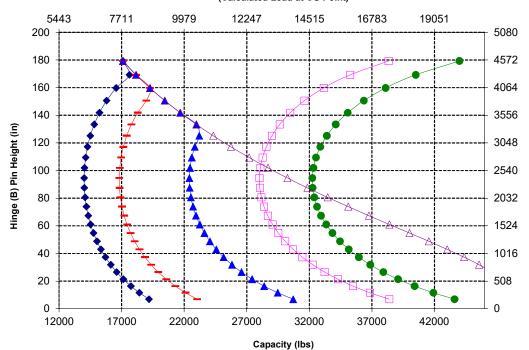
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

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

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



Capacity (lbs)
(Calculated Load at CG Point)

Hinge (B) Pin Height (mm)

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

## **Fork Specifications**

	in opcomouncing		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Ochici	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13999 30855
	0.5 7	kg	12159
	Static Tipping Load - Articulated (Forks Level)	lbs	26799
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6080
	Traise Esta (S/IE 5/15/ 55/01/15/E)	lbs	13399
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6988 15401
		lbs ka	6988
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15401
3	Maximum Overall Length	mm	10992
	Maximum Overali Lengin	in	432.8
4	Reach with Forks at Ground Level	mm	1141
		in mm	44.9 -65
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
	Reach with Affils Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	84.0
_	Oncome data Tana of Time and Manifestoria Hailanda and Farda Lavral	mm	4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
	Total Holgh of Fore at Fair Lin (top of our lage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm in	2122 83.5
	M. D. I. A. I. C. III		
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
45	Out-id- Tim- \M(: \data (	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Catolae Tille Water (Hill opread)	in	23.2
	Tine Width (single tine)	mm	180.0 7.1
		in mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	11300
	Timo Oupdoity	lbs	24905
	Operating Weight	kg	29645
		lbs	65336

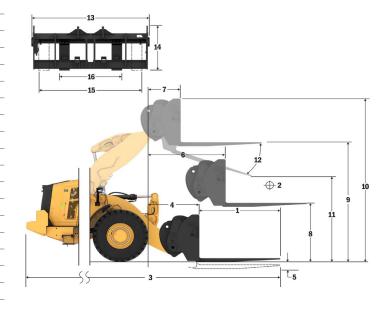
 980 STD
 108" Carriage
 96" Tine

 Construction Fork, FUSION
 520-7968
 520-7981

\*Build 14A

\*Parallel Z-Bar Linkage

\*Standard Lift Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

## Capacity (kg)

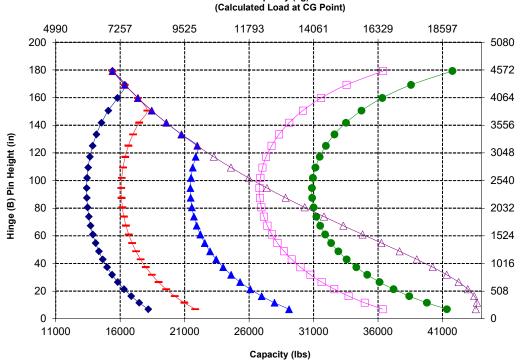


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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.

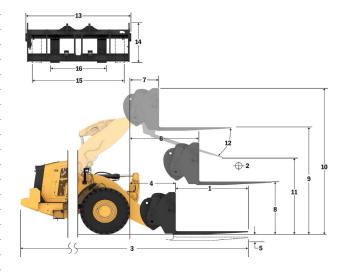
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



#### **Fork Specifications**

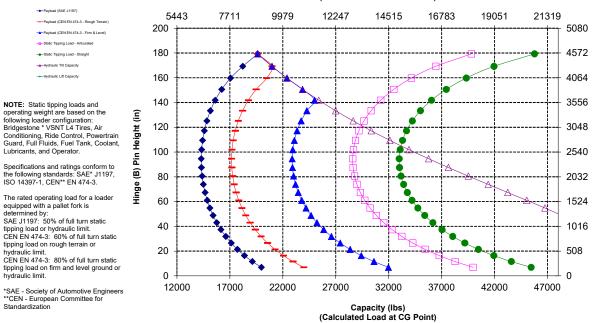
	opoomoutono		
1	Tine Length	mm in	1829 72.0
_		mm	914
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	14965
	Otatio Tipping Load - Ottaignt (Forto Lover)	lbs	32984
	Static Tipping Load - Articulated (Forks Level)	kg	12974
	, ,	lbs	28595
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6487 14298
		kg	7785
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17157
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905
	Rated Load (CEN EN 474-3 FITTI and Level Glound - 60% F131L)	lbs	19627
3	Maximum Overall Length	mm	10404
	maximam overall congli	in	409.6
4	Reach with Forks at Ground Level	mm	1162
		in mm	45.8 -99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
_		mm	1796
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Deach with Fark at Maximum Height	mm	869
'	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095
	Ordana to Top of Time Mary time Herizontal and Total Edver	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
		in	171.8 5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	212.9
		mm	2498
11	Clearance at Full Lift and Max Dump	in	98.3
42	May Discharge Angle from Harizontal		55
12	Max Discharge Angle from Horizontal	deg	
13	Overall Carriage Width	mm	2821
	Overlan Carriage Villan	in	111.1
14	Overall Carriage Height	mm	1129
		in mm	44.4 2627
15	Outside Tine Width (max spread)	in	103.4
	O 1 11 T 14/19/ / 1 10	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	Time Widen (onigie une)	in	9.8
	Tine Thickness	mm	85.0
	1000 1000000000	in	3.3
	Tine Capacity	kg	18700
	· ,	lbs	41215
	Operating Weight	kg lbs	29958 66026
		Ina	00020





Payload (CEN EN 474-3 - Firm & Level

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





Lubricants, and Operator.

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

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

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



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

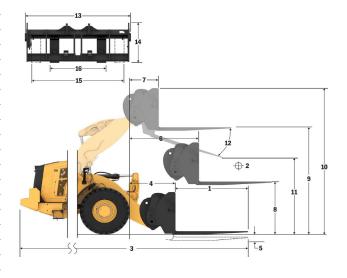
Hinge (B) Pin Height (mm)

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

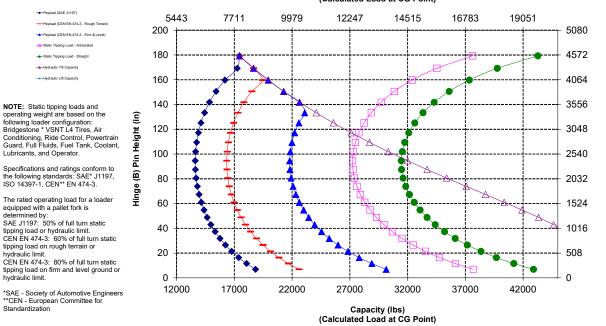
#### **Fork Specifications**

	nk opecinications		
1	Tine Length	mm	2134 84.0
		in mm	1067
2	Load Center	in	42.0
	O. C. T O	kg	14267
	Static Tipping Load - Straight (Forks Level)	lbs	31445
	Chatia Time in a Lond Additional Action of the Lond (Fooder Lond)	kg	12355
	Static Tipping Load - Articulated (Forks Level)	lbs	27231
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6178
	Nated Load (SAE 31197 - 30 % F131L)	lbs	13615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7413
	Traica Edda (OEIT EIT TIT O Trough Terrain - 0070 1 TOTE)	lbs	16338
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7914
	Traited Estat (SETT EIT TO THIN and Estat Stoams Settle 1912)	lbs	17442
3	Maximum Overall Length	mm	10713
		in	421.8
4	Reach with Forks at Ground Level	mm	1166
	<u> </u>	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 34.2
		in mm	2100
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
_		mm	4369
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.0
-40	O	mm	5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	212.9
	Ol	mm	2247
11	Clearance at Full Lift and Max Dump	in	88.5
42	Max Discharge Angle from Horizontal	don	55
12	Max Discharge Arigie Ironi Horizontal	deg	55
12	Overall Carriage Width	mm	2821
	Overall Carriage vildur	in	111.1
14	Overall Carriage Height	mm	1129
	Overall Carriage Freign	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 9.8
		in	90.0
	Tine Thickness	mm	3.5
		in ka	17729
	Tine Capacity	lbs	39075
		ka	30060
	Operating Weight	lbs	66251
		IDS	00201





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



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. hydraulic limit.

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

Lubricants, and Operator.

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

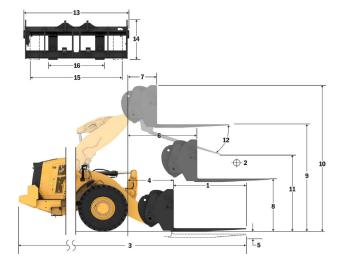


<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

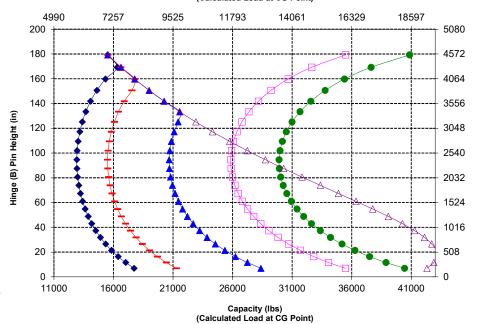
	opoomouto		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	13562
		lbs ka	29890 11724
	Static Tipping Load - Articulated (Forks Level)	lbs	25839
	Rated Load (SAE J1197 - 50% FTSTL)	kg	5862
	Rated Load (SAE 31197 - 50% F151L)	lbs	12920
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7034
	Traited Estate (SEIT EIT II FORTISAGII FORTIAIII SOME FORE)	lbs	15504
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
	· · · · · · · · · · · · · · · · · · ·	lbs mm	15518 11021
3	Maximum Overall Length	in	433.9
_	Reach with Forks at Ground Level	mm	1170
4	Reach with Forks at Ground Level	in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
_	Cround to Bottom or time at william rhoight and ronk Ecver	in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1801
_		in	70.9 874
7	Reach with Fork at Maximum Height	mm in	34.4
_	0 11 7 77 71 11 11 15 11 1	mm	2102
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
_	Cround to Top of Time at Maximum Fleight and Fork Eever	in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	· · · · · · · · · · · · · · · · · · ·	in	212.9 1994
11	Clearance at Full Lift and Max Dump	mm in	78.5
12	Max Discharge Angle from Horizontal	deg	55
12	Overall Carriage Width	mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1127
		in mm	44.4 2629
15	Outside Tine Width (max spread)	in	103.5
	O T	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	Tille Width (single tille)	in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq	15750
		lbs ka	34713
	Operating Weight	lbs	66584
		103	0000





Payload (CEN EN 474-3 - Firm & Level

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



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

Lubricants, and Operator.

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.

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

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

tipping load on firm and level ground or hydraulic limit.

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



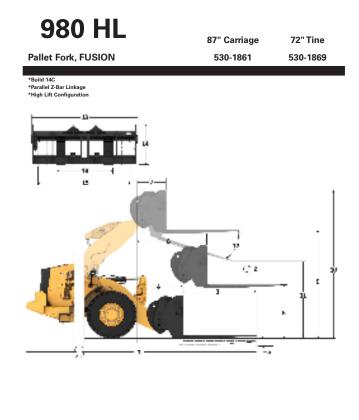
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

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

### **Fork Specifications**

k Specifications		
Tine Length	mm in	1830 72.0
Load Center	mm	915 36.0
Static Tipping Load - Straight (Forks Level)	kg	15673
Static Tipping Load - Articulated (Forks Level)	kg	34543 13894
	kg	30622 6947
,	kg	15311 7970
•	kg	17566 7970
	lbs mm	17566 10654
waximum overali Length	in	419.4
Reach with Forks at Ground Level	mm in	1407 55.4
*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
Reach with Arms Horizontal and Forks Level	mm in	1982 78.0
Reach with Fork at Maximum Height	mm	898 35.4
Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2023 79.6
Ground to Top of Tine at Maximum Height and Fork Level	mm	4512
	mm	177.7 5287
	mm	208.2 2842
		111.9 47
	mm	2217
	mm	87.3 840
	in mm	33.1 2070
	in	81.5 470
Outside Tine Width (min spread)	in	18.5
Tine Width (single tine)	mm in	150.0 5.9
Tine Thickness	mm in	65.0 2.6
Tine Capacity	kg	5246 11562
Operating Weight	kg lbs	29859 65810
	Load Center  Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  *Ground to Bottom of Tine at Minimum Height and Fork Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Overall Height of Fork at Full Lift (top of carriage to ground)  Clearance at Full Lift and Max Dump  Max Discharge Angle from Horizontal  Overall Carriage Width  Overall Carriage Height  Outside Tine Width (max spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity	Tine Length in mm in Load Center in mm in Static Tipping Load - Straight (Forks Level) kg kg lbs Static Tipping Load - Articulated (Forks Level) kg lbs Rated Load (SAE J1197 - 50% FTSTL) kg lbs Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg lbs Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg lbs Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg lbs Maximum Overall Length mm Reach with Forks at Ground Level in mm Reach with Forks at Ground Level in mm Reach with Forks at Ground Level in mm Reach with Arms Horizontal and Forks Level mm Ground to Top of Tine at Maximum Height and Fork Level in mm Ground to Top of Tine with Arms Horizontal and Fork Level in mm Ground to Top of Tine at Maximum Height and Fork Level in mm Clearance at Full Lift (top of carriage to ground) in mm Max Discharge Angle from Horizontal deg Overall Carriage Midth in Overall Carriage Height in mm Overall Carriage Height in mm Gutside Tine Width (min spread) in mm Tine Width (single tine) mm Tine Capacity kg





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4Tires, 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.

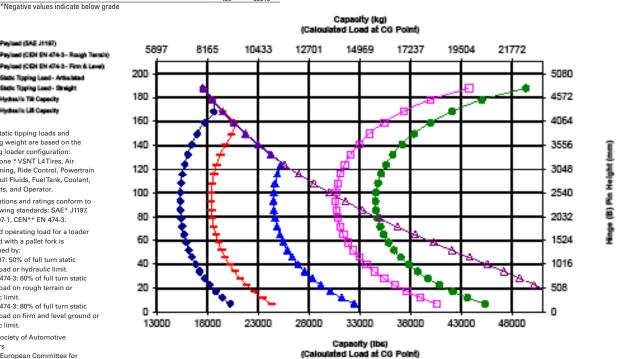
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or

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

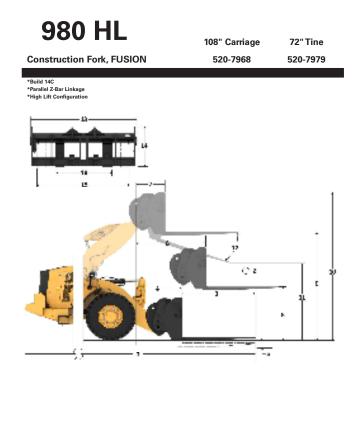
\*SAE - Society of Automotive Engineers

Standardization

hydraulic limit.



For	k Specifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
_		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15388 33915
	Static Tipping Load - Articulated (Forks Level)	kg	13602
	Static Tipping Load - Articulated (Forks Level)	lbs	29978
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6801 14989
		lbs kg	8161
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17987
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8359
	nated Load (CEN EN 474-3 Hilli alld Level Glodild - 60 % 1 131L)	lbs	18422
3	Maximum Overall Length	mm	10597
		in mm	417.2 1351
4	Reach with Forks at Ground Level	in	53.2
-	*Cda- D-+dTi	mm	-62
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
	Tiedeli With Athis Honzontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm in	886 34.9
		mm	2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
J	Ground to rop or time at waximum rieight and rork Level	in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	ш́ш	5665
		in mm	223.0 2768
11	Clearance at Full Lift and Max Dump	in	109.0
12	Max Discharge Angle from Horizontal	dea	53
13	Overall Carriage Width	mm	2833
10	Overall carriage within	in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
16	O. +-i d - Ti \Midsh (i d)	mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
		ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	30298
	*Negative values indicate below grade	lbs	66777





NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tlank, 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.

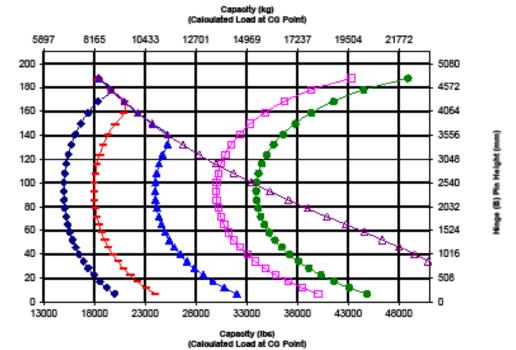
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

\*SAE - Society of Automotive Engineers

\*\*CEN - European Committee for

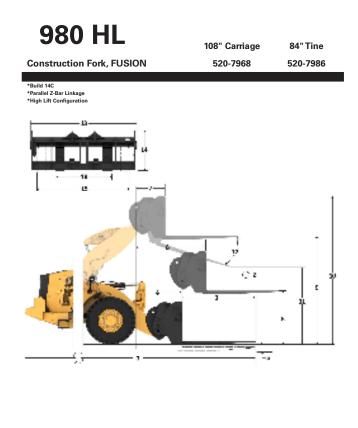
\*\*CEN - Europear Standardization

hydraulic limit.



#### **Fork Specifications**

For	k Specifications		
1	Tine Lenath	ḿш	2134
		in	84.0 1067
2	Load Center	mm in	42.0
		ka	14740
	Static Tipping Load - Straight (Forks Level)	lbs	32488
	Static Tipping Load Articulated (Forks Loyal)	kg	13022
	Static Tipping Load - Articulated (Forks Level)	lbs	28701
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6511
	Hatea Load (OAL OTTO) SOMITOTE)	lbs	14350
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7467
	· · · · · · · · · · · · · · · · · · ·	lbs	16457 7467
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	16457
_		mm	10902
3	Maximum Overall Length	in	429.2
4	Reach with Forks at Ground Level	mm	1351
4	Reach with Forks at Ground Level	in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-62
	Ground to Dottom or time at Minimum rieight and Fork Ecver	in	-2.4
6	Reach with Arms Horizontal and Forks Level	шm	1970
_		in	77.5 886
7	Reach with Fork at Maximum Height	mm in	34.9
		mm	2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
J	dround to top of fine at Maximum neight and Fork Level	in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5665
	eroran riorgine or rork act an Ene (top or ournage to ground)	in	223.0
11	Clearance at Full Lift and Max Dump	mm in	2524
12	Max Discharge Angle from Horizontal	dea	99.4 53
	· · · · · · · · · · · · · · · · · · ·	mm	2833
13	Overall Carriage Width	in	111.5
14	0	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Time Widel (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in mm	23.2 180.0
	Tine Width (single tine)	in	7.1
	T 71.1	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
	ille Gapacity	lbs	27991
	Operating Weight	kg	30360
	*Negative values indicate below grade	lbs	66914





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4Tires, 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:

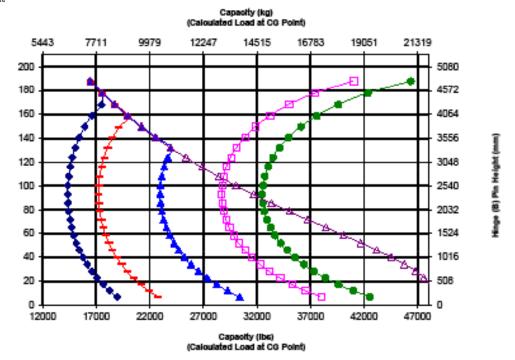
SAF .1197: 50% of full turn static.

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

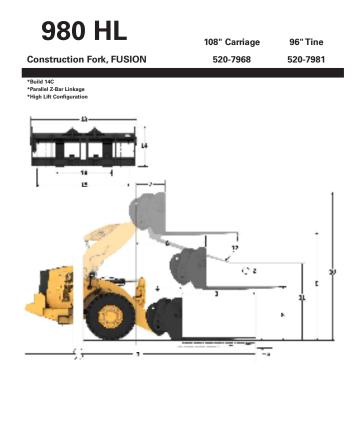
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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\*\*CEN - European Committee for Standardization



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





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static

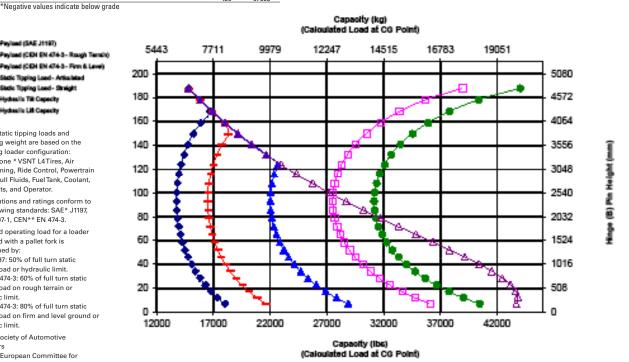
tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

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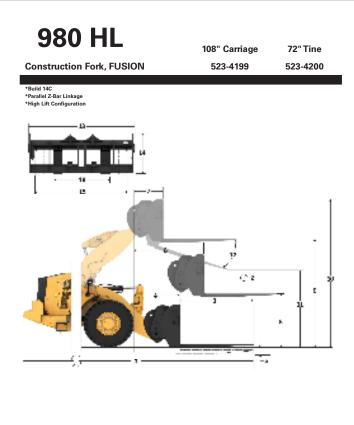
Standardization

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#### **Fork Specifications**

For	k Specifications		
1	Tine Lenath	ḿш	1829
		in mm	72.0 914
2	Load Center	in	36.0
	Casais Tissian Land Casaisha (Fasha Lassal)	ka	15057
	Static Tipping Load - Straight (Forks Level)	lbs	33185
	Static Tipping Load - Articulated (Forks Level)	kg	13272
	Otatic ripping Load Articulated (Forks Level)	lbs	29251
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6636 14625
		kq	7963
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17551
	B . II I/OFN FN 474 0 F	kg	8586
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	18924
3	Maximum Overall Length	mm	10616
	Waxiiiaiii Overali Leligai	in	418.0
4	Reach with Forks at Ground Level	шm	1371
	Todan That Forto at Gradia 2010	in	54.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-96 -3.8
		mm	1969
6	Reach with Arms Horizontal and Forks Level	in	77.5
-	B. I. M.E. LAMAR MATERIAL	mm	885
7	Reach with Fork at Maximum Height	in	34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2097
	Ground to Top of Time With Arms Horizontal and Fork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4586
		in	180.5 5630
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	221.6
		mm	2674
11	Clearance at Full Lift and Max Dump	in	105.3
12	Max Discharge Angle from Horizontal	deq	57
13	Overall Carriage Width	mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
		mm	747
16	Outside Tine Width (min spread)	in	29.4
	Time Middle (nimela kina)	mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
	THE THEMICOS	in	3.3
	Tine Capacity	kg	18700
		lbs	41215 30736
	Operating Weight	kg Ibs	67743
	*Negative values indicate below grade	103	0//40





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4Tires, 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.

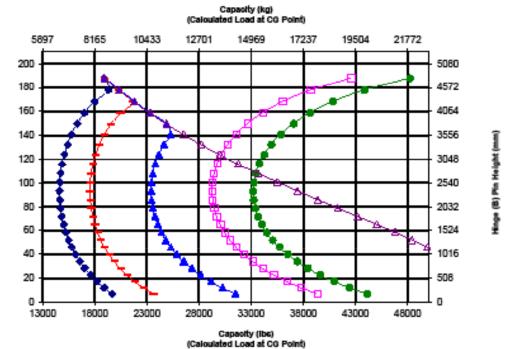
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static

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.

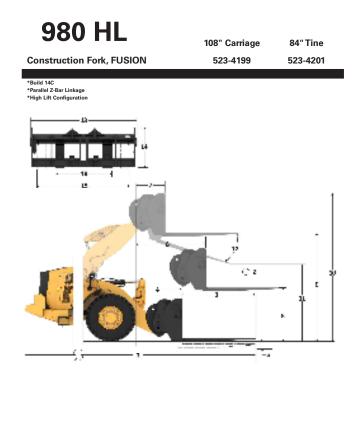
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers

\*\*CEN - European Committee for Standardization



For	k Specifications		
1	Tine Length	mm in	2134
2	Load Center	mm	84.0 1067
Z	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	14381 31695
	Static Tipping Load - Articulated (Forks Level)	kg	12663
	Static Tipping Load - Articulated (Forks Level)	lbs	27910
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6332 13955
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7598
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	16746
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7633 16824
		lbs	10924
3	Maximum Overall Length	in	430.1
4	Reach with Forks at Ground Level	mm	1374
-	TICUCII WITH TORKS OF GROUND ECVE	in	54.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-96 -3.8
6	Reach with Arms Horizontal and Forks Level	mm	1969
ь	Reach with Arms Horizontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm	885
		in mm	34.8 2102
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4591
	Ground to 10p of fine at Maximum freight and Fork Level	in	180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5630 221.6
11	Clearance at Full Lift and Max Dump	mm	2418
		in	95.2
12	Max Discharge Angle from Horizontal	deg	<u>57</u> 2821
13	Overall Carriage Width	mm in	111.1
44	O	mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in mm	103.4 747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	ŵш	250.0
		in mm	9.8
	Tine Thickness	in	3.5
	Tino Canacity	kg	17729
	Tine Capacity	lbs	39075
	Operating Weight	kg	30838
	*Negative values indicate below grade	lbs	67967





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4Tires, 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.

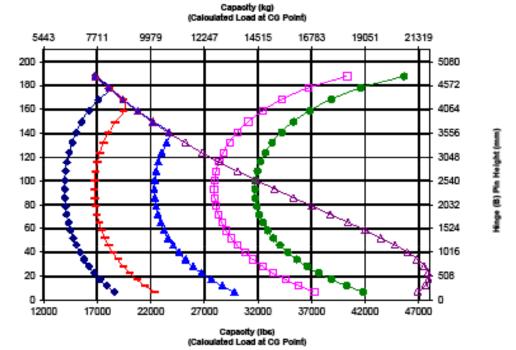
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static

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

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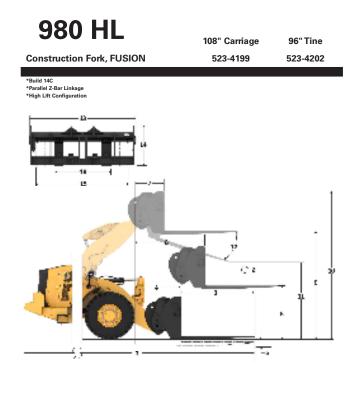
tipping load on rough terrain or

\*\*CEN - European Committee for Standardization



### **Fork Specifications**

Foi	k Specifications		
1	Tine Length	mm	2438
		<u>in</u> mm	96.0 1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	13694
	Static Tipping Load - Straight (Lorks Level)	lbs	30181
	Static Tipping Load - Articulated (Forks Level)	kg	12040
	otatio ripping zona i rittoniatoa (romo zovor)	lbs	26537
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6020 13269
		kq	6791
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	14967
		kg	6791
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14967
_		mm	11233
3	Maximum Overall Length	in	442.2
4	Reach with Forks at Ground Level	mm	1378
4	neach with Forks at Ground Level	in	54.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-94
J	didulid to bottom of time at willimidili fielght and fork Level	in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1974
	neach with Arms horizontal and rocks Level	in	77.7
7	Reach with Fork at Maximum Height	mm	890
	Todon Will Fork at maximum morgin	in	35.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	ш́ш	2103
		in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4593
		mm	180.8 5630
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.6
		mm	2159
11	Clearance at Full Lift and Max Dump	in	85.0
12	Max Discharge Angle from Horizontal	dea	57
13	· · · · · · · · · · · · · · · · · · ·	mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
	Outside Tille Widel (Max Spread)	in	103.5
16	Outside Tine Width (min spread)	щm	747
		in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm in	90.0 3.5
		kq	15750
	Tine Capacity	lbs	34713
		kq	30989
	Operating Weight	lbs	68300





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4Tires, 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.

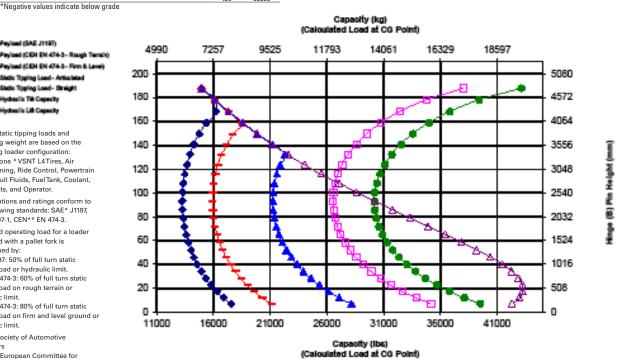
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SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

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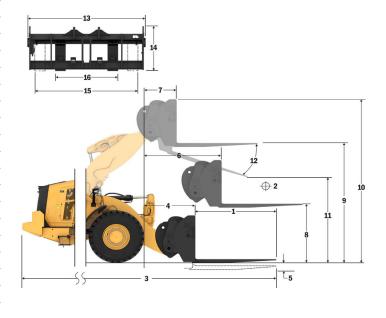


Fork Specification	าร
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	·		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Genter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16622
	,	lbs kg	36635 14453
	Static Tipping Load - Articulated (Forks Level)	lbs	31855
	Detect Lond (CAE 11107 FOW FTCTL)	kg	7227
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15928
	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)	ka Ibs	8327 18352
	<u> </u>	mm	10445
3	Maximum Overall Length	in	411.2
_	Barack with Faulus at Occupat Lavel	mm	1199
4	Reach with Forks at Ground Level	in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
	Glound to Bottom of Time at William Height and Fork Level	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 34.7
	<u> </u>	in mm	2024
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.7
_	One and to Tax of Time of Manipular Height and Foots Level	mm	4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
-10	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	199.5
11	Clearance at Full Lift and Max Dump	ḿш	2676
	·	in	105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
	Overall Carriage Width	in	87.3
14	Overall Carriage Height	ṁш	840
		in	33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
		mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine (Midth (single tine)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	1015 1105001555	in	2.6
	Tine Capacity	kg	5246
	<u> </u>	lbs ka	11562 29722
	Operating Weight	kg lbs	65507
	*Negative values indicate helow grade	IDS	00007

 
 980 AGG
 2x 130 mm HE Tilt Cylinders 87" Carriage
 72" Tine

 Pallet Fork, FUSION
 530-1861
 530-1869



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

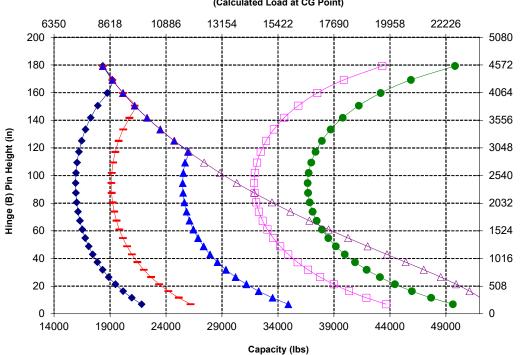


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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



(Calculated Load at CG Point)

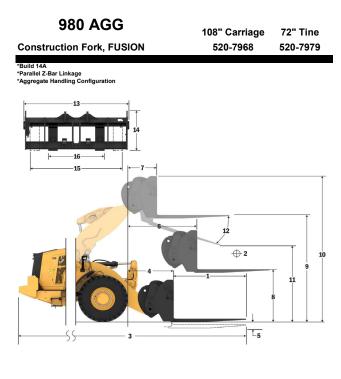
Hinge (B) Pin Height (mm)

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

# **Fork Specifications**

#### **Fork Specifications**

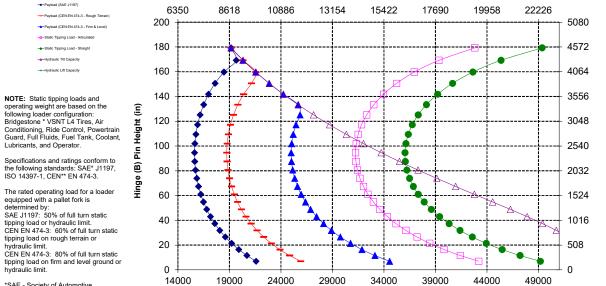
	ik Opcomodions		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16347
		lbs	36029
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14170 31231
		kg	7085
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8502
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	18738
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8691
	Trailed Load (OLIT LIT II TOT IIII did Lotter Ground Control Ly	lbs	19155
3	Maximum Overall Length	mm	10387
		in mm	408.9 1141
4	Reach with Forks at Ground Level	in	44.9
_		mm	-65
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
•	Reach with Arms nonzonial and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
	Troubit with Fork at Maximum Freight	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	<u> </u>	in	84.0 4403
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	173.4
		mm	5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
11	Clearance at Full Lift and wax Dump	in	102.3
12	Max Discharge Angle from Horizontal	deg	51
	max bloomings / mglo monit for bottom		-
13	Overall Carriage Width	mm	2833
		in mm	111.5 1130
14	Overall Carriage Height	in	44.5
	O 1 11 T 14/19/1 / D	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
.0	Outside Title Width (Illin Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	( 0/	in	7.1
	Tine Thickness	mm	90.0
		in ka	3.5 14800
	Tine Capacity	lbs	32619
		ka	30161
	Operating Weight		



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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



Capacity (lbs)
(Calculated Load at CG Point)

\*SAE - Society of Automotive

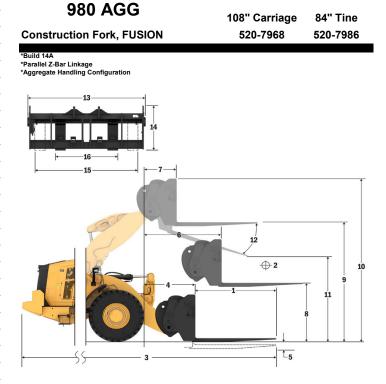
Lubricants, and Operator.

Engineers
\*\*CEN - European Committee for



#### **Fork Specifications**

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15637
		lbs	34463
	Static Tipping Load - Articulated (Forks Level)	kg	13546
		lbs kg	29855 6773
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14927
		kg	7759
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17102
	Detect Load (CEN EN 474 3 Firms and Lovel Crowned 900/ ETCTL)	ka	7759
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17102
3	Maximum Overall Length	mm	10692
	Maximum Overali Lengtii	in	420.9
4	Reach with Forks at Ground Level	mm	1141
	Treach with Forks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
	Ground to Bottom of Time at William Holght and Fork Edvor	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
	<u> </u>	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	·	in	84.0 4403
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	173.4
		mm	5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	214.3
		mm	2359
11	Clearance at Full Lift and Max Dump	in	92.9
40	Man Diaghanna Angla from Harimantal		
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2833
13	Overall Carriage vildur	in	111.5
14	Overall Carriage Height	mm	1130
	Overall Carriage Freight	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	- ( 1 /	in	97.8
16	Outside Tine Width (min spread)	mm	590
	· ' '	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
			90.0
	Tine Thickness	mm in	3.5
		kg	12700
	Tine Capacity	lbs	27991
		kg	30223
	Operating Weight	lbs	66611
		100	30011



# Capacity (kg)

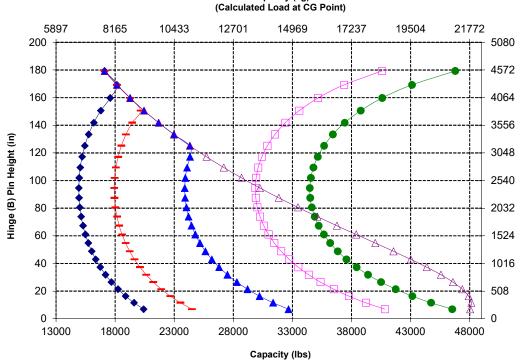


NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

The rated operating load for a loader rine hated operating local for a located equipped with a pallet fork is determined by:
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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

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



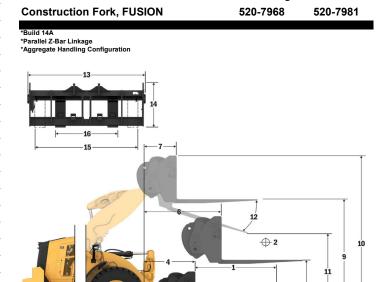
(Calculated Load at CG Point)

Hinge (B) Pin Height (mm)

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

Fork	Specification	16
I UIK	opecification	13

	Tine Length	mm	2438
2		in	96.0
2	Load Canton	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
	Otatio Tipping Load - Ottaignt (1 Otto Lovol)	lbs	33008
	Static Tipping Load - Articulated (Forks Level)	kg	12965
	· · · · · · · · · · · · · · · · · · ·	lbs	28575
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6483 14288
		kg	6988
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6988
	Rated Load (CEN EN 474-3 Film and Level Glound - 60% F131L)	lbs	15401
3	Maximum Overall Length	mm	10996
	Maximum Overali Zengur	in	432.9
4	Reach with Forks at Ground Level	mm	1141
	<u> </u>	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65 2.5
		in	-2.5 1797
6	Reach with Arms Horizontal and Forks Level	mm in	70.7
		mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
٥	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4403
	Ground to Top of Tine at Maximum Fleight and Fork Eever	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
	<u> </u>	in	83.5
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
		in	44.5
15	Outside Tine Width (max spread)	mm	2483
	<u> </u>	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	T 147 HI / 1 I P 1	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKHESS	in	3.5
	Tine Capacity	kg	11300
	тие Фарабіц	lbs	24905
	Operating Weight	kg	30286
	opolaniaag.i.	lbs	66750



108" Carriage

96" Tine

Hinge (B) Pin Height (mm)

980 AGG

# Capacity (kg)

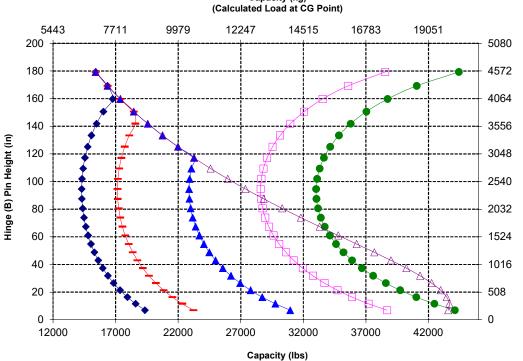


NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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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

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



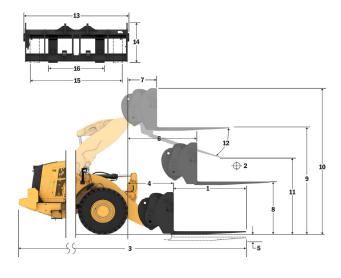
(Calculated Load at CG Point)

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

#### **Fork Specifications**

1			
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Load Ceriter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16020
		lbs ka	35309 13844
	Static Tipping Load - Articulated (Forks Level)	lbs	30513
_	Rated Load (SAE J1197 - 50% FTSTL)	kg	6922
	Rated Load (SAE 31197 - 50% F151L)	lbs	15256
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8307
	Traise 25aa (52.1 2.1 17 1 5 1 6 agri 151 am 150 75 1 15 12)	lbs	18308
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905 19627
	,	lbs mm	10408
3	Maximum Overall Length	in	409.8
_	Reach with Forks at Ground Level	mm	1162
4	Reach with Forks at Ground Level	in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
	Cround to Bottom of Time at Minimum Floight and Tork Eever	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
_		mm	2095
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
9	Ground to Top of Time at Maximum Fleight and Fork Level	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
	O TOTAL CATTAGO TTAGO	in	111.1
14	Overall Carriage Height	mm	1129
		in mm	44.4 2627
15	Outside Tine Width (max spread)	in	103.4
40	Outside Time Middle (sein seemed)	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	····o ····aa·· (o····gio tirio)	in	9.8
	Tine Thickness	mm	
	Tine Capacity	kq lbs	41215
		ka	30599
	Operating Weight	lbs	67440
		mm in kg	85.0 3.3 1870

#### 2x 130 mm HE Tilt Cylinders 980 AGG 108" Carriage 72" Tine Construction Fork, HD, FUSION 523-4200 523-4199





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. Lubricants, and Operator

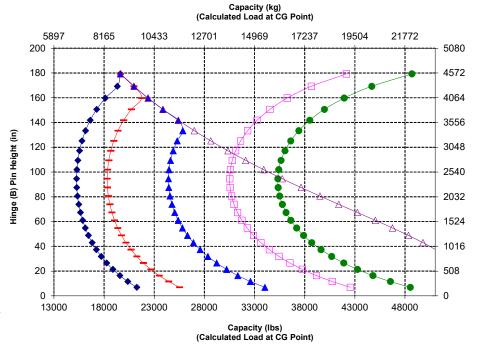
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

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

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.

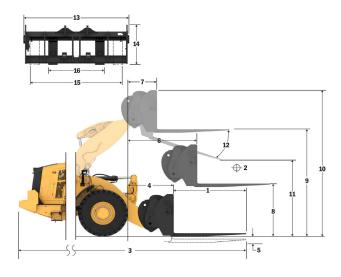
Hinge (B) Pin Height (mm)

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

Fork Specificatio	ns
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	nk opecinications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15281
		lbs ka	33680 13192
	Static Tipping Load - Articulated (Forks Level)	lbs	29075
	D + 11 1/045 14407 500/ 5TOTL)	kg	6596
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14537
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
	Trated Load (OEIV EIV 474-5 Rough Terrain - 00 % 1 15 TE)	lbs	17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7914
		lbs	17442
3	Maximum Overall Length	mm in	10717 421.9
	<del>-</del>	mm	1166
4	Reach with Forks at Ground Level	in	45.9
_		mm	-99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
0	Reach with Arms Honzontal and Porks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
_	Troubit with Fork at Maximum Floight	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100
	<u> </u>	in	82.7 4369
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	172.0
		mm	5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	2247
11	Clearance at Full Lift and Max Dump	in	88.5
12	Max Discharge Angle from Horizontal	deg	55
	Max Bloomarge 7 trigle from Fronzental		
13	Overall Carriage Width	mm	2821
_		in	111.1 1129
14	Overall Carriage Height	mm in	44.4
		mm	2627
15	Outside Tine Width (max spread)	in	103.4
40	Outside Tine Width (min spread)	mm	747
10	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	This Trial (onigio ano)	in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka	17729
_		lbs ka	39075 30701
	Operating Weight	lbs	67664
		ibs	01004

2x 130 mm HE Tilt Cylinders 980 AGG 108" Carriage 84" Tine Construction Fork, HD, FUSION 523-4199 523-4201



Hinge (B) Pin Height (mm)

# 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. Lubricants, and Operator.

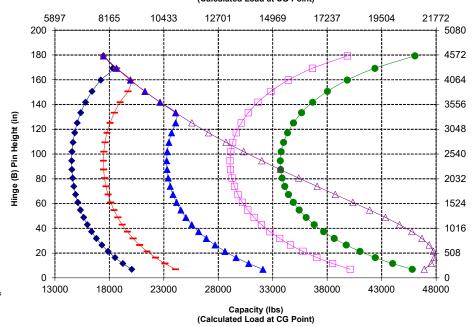
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

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



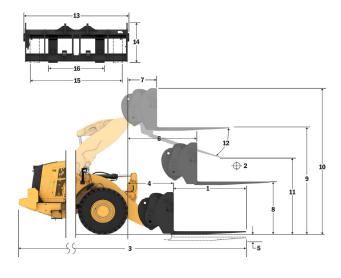


<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

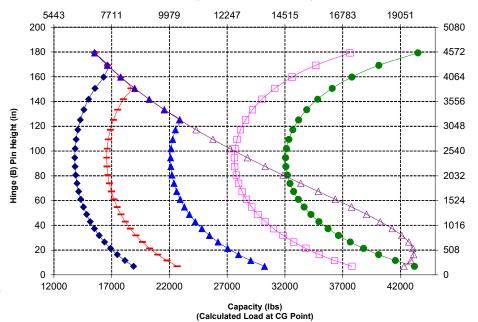
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Edda Ochiol	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14537 32041
		ka	12529
	Static Tipping Load - Articulated (Forks Level)	lbs	27614
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6265
	Trace Educ (Griz 11107 - 00701 1012)	lbs	13807
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7041
		lbs ka	15518 7041
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15518
_	Marrian Organit Law orth	mm	11025
3	Maximum Overall Length	in	434.1
4	Reach with Forks at Ground Level	mm	1170
_	Trough with 1 onto at Ground Ecver	in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-98
		in mm	-3.8 1801
6	Reach with Arms Horizontal and Forks Level	in	70.9
_	Donale with Foots at Marriage I I started	mm	874
7	Reach with Fork at Maximum Height	in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
	Cround to rop or time many time riorizontal and rom zoro	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
		in mm	172.1 5407
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
-11	Clearance at Full Lift and Max Dump	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
	Occupil Occupiants Height	mm	1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
	Outside Title Width (Max Spread)	in	103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
		mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
	Tille Thickness	in	3.5
	Tine Capacity	kq	15750
	····o capacity	lbs	34713
	Operating Weight	kq	30852
	· · · ·	lbs	67997





Payload (CEN EN 474-3 - Firm & Level

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



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

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

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.

Hinge (B) Pin Height (mm)

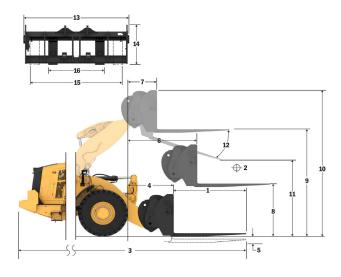
<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

Fork Specificatio	ns
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гυ	rk Specifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16621 36633
	0.5 7	kg	14453
	Static Tipping Load - Articulated (Forks Level)	lbs	31854
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7226
	Nated Load (OAL 31197 - 30 /61 101L)	lbs	15927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8672 19112
		ka	11207
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	24701
3	Maximum Overall Length	mm	10445
	Waxiinum Overali Lengui	in	411.2
4	Reach with Forks at Ground Level	mm	1199
		in mm	47.2 -151
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
•	Reach with Arms Honzontal and Porks Level	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 in	2024 79.7
_	One and to Top of Tip of Manifesters Halints and Facilities	mm	4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
	Overall Floight of Fork at Fall Lint (top of barnage to ground)	in	199.5
11	Clearance at Full Lift and Max Dump	mm in	2676 105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217
		mm	87.3 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
	Outside Title Width (Max Spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470 18.5
	<u> </u>	in mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	ka	5246
		lbs	11562
	Operating Weight	ka Ibs	29772 65617
		103	33017

000 ACC OC	2x 150 mm HE Tilt	t Cylinders
980 AGG QC	87" Carriage	72" Tine
Pallet Fork, FUSION	530-1861	530-1869



Hinge (B) Pin Height (mm)

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

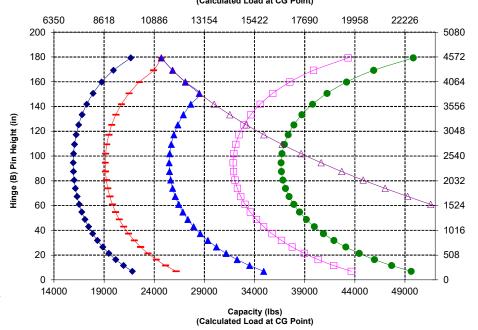


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

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 full furn static tipping load on firm and level ground or hydraulic limit.

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

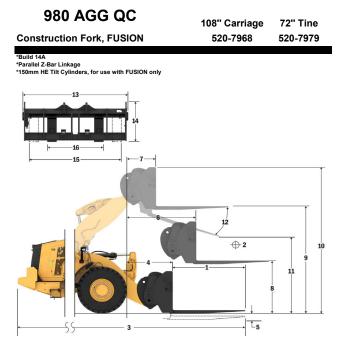




<sup>\*</sup>Negative values indicate below grade

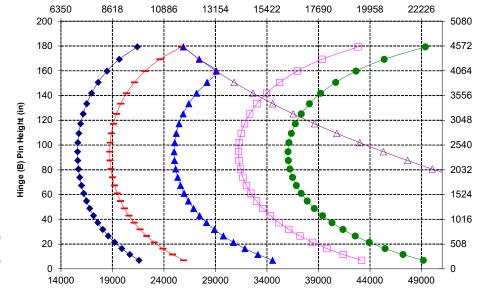
#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
_	Load Ceriter	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16347
		lbs ka	36028 14169
	Static Tipping Load - Articulated (Forks Level)	lbs	31229
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7085
	Raied Load (SAE J1197 - 50% F151L)	lbs	15614
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8501
	·· (+ (+ (+	lbs	18737
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11335 24983
_		mm	10387
3	Maximum Overall Length	in	408.9
4	Reach with Forks at Ground Level	mm	1141
-	Reacti with Forks at Glound Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
_	g	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797 70.7
_		in mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
•	Glound to Top of Time with Arms Horizontal and Fork Level	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 in	5443 214.3
		mm	2597
11	Clearance at Full Lift and Max Dump	in	102.3
12	Max Discharge Angle from Horizontal	deg	51
12	Max Discharge Angle Iron Horizontal	ueg	
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
	0.1:1 T W:W / N	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
10	Outside Title Width (Hill Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	, <b>3</b> ,	in	7.1
	Tine Thickness	mm in	90.0 3.5
_		ka	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	30211
	Operating weight	lbs	66585



Payload (CEN EN 474-3 - Firm & Level

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



Capacity (lbs)
(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

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

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

Hinge (B) Pin Height (mm)

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

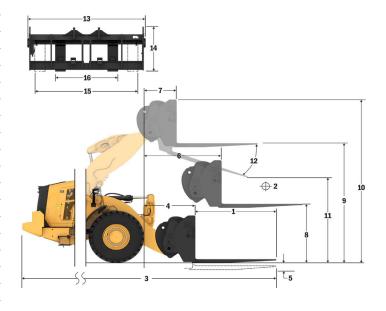
# **Fork Specifications**

#### Fork Specifications

	ik opecifications		
1	Tine Length	mm	2134
_	Land Carter	in mm	84.0 1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15636
	Otatic Tipping Load - Otraignt (1 Onto Level)	lbs	34462
	Static Tipping Load - Articulated (Forks Level)	kg	13545
	11 0	lbs	29853
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6773 14927
		lbs ka	8127
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17912
		kg	10508
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	23160
_		mm	10692
3	Maximum Overall Length	in	420.9
_	Reach with Forks at Ground Level	mm	1141
4	Reach with Forks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
- 5	Ground to Bottom of Time at Millimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
	Neach with Airlis Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
	Treach with tork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	Ordana to Top of Time Mary and Tienzonian and Tone 20101	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	ḿш	4403
	<u> </u>	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in	214.3 2359
11	Clearance at Full Lift and Max Dump	mm in	92.9
	<u> </u>	ın	
12	Max Discharge Angle from Horizontal	deg	51
		mm	2833
13	Overall Carriage Width	in	111.5
	0	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	Outside Title Width (Max Spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
10	Outside Tille Width (Illin Spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Timo Widan (onigio uno)	in	7.1
	Tine Thickness	mm	90.0
	1015 1105001555	in	3.5
	Tine Capacity	kg	12700
		lbs	27991
	Operating Weight	kg	30273
		lbs	66721
	*Nonetive velves indicate below weeds		



<sup>\*</sup>Parallel Z-Bar Linkage
\*150mm HE Tilt Cylinders, for use with FUSION only



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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

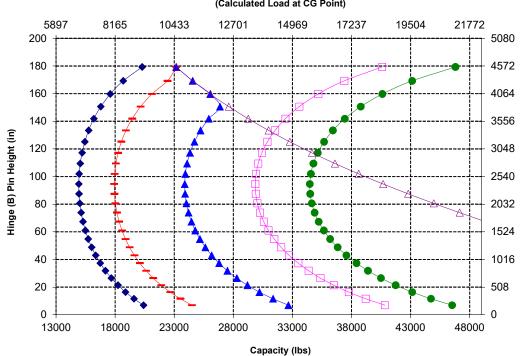


NOTE: Static tipping loads and operating weight are based on the Following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and

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 equipped with a patient 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.

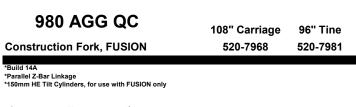
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

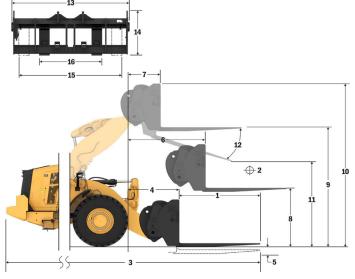


(Calculated Load at CG Point)

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_		mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
	Static Tipping Load - Straight (Forks Lever)	lbs	33007
	Static Tipping Load - Articulated (Forks Level)	kg	12965
	··	lbs	28574
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6482 14287
		lbs kg	7779
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17144
	D + 11	ka	9491
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	20919
3	Maximum Overall Length	mm	10996
3	Maximum Overali Length	in	432.9
4	Reach with Forks at Ground Level	mm	1141
_	Trought with 1 onto at Ground Edvor	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
_	<del></del>	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7 870
7	Reach with Fork at Maximum Height	mm in	34.2
_		mm	2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.0
_	One and to Tax of Time of Manifesters Height and Foods Lavel	mm	4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
	Overall freight of Fork at Full Lift (top of carnage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
•	Oldardino de l'an Elit dila mate Damp	in	83.5
12	Max Discharge Angle from Horizontal	deg	51
			2833
13	Overall Carriage Width	mm in	111.5
		mm	1130
14	Overall Carriage Height	in	44.5
45	Outside Tine Width (may anneed)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
-	Outside Tille Width (Illin Spicad)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	11300 24905
_	• •		30336
	Operating Weight	kg Ibs	66860
		เมอ	30000





# Capacity (kg) (Calculated Load at CG Pr

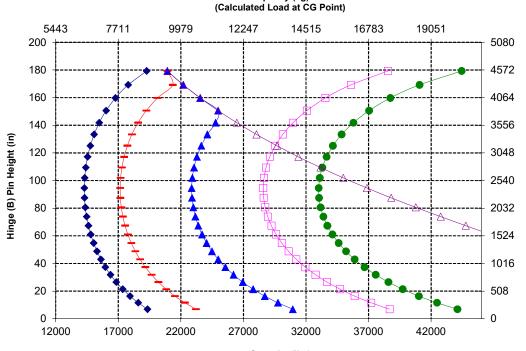


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



Hinge (B) Pin Height (mm)

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

# **Fork Specifications**

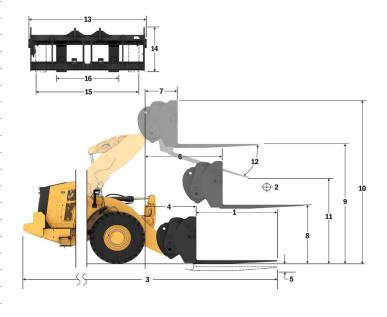
Fork Specifica	tions
----------------	-------

. 0	ik opecifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16020
	otatio ripping zoau otraigin (ronto zorot)	lbs	35307
	Static Tipping Load - Articulated (Forks Level)	kg	13843
		lbs kg	30511 6922
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15255
	D + 11	ka	8306
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18307
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	11075
	Rated Load (CEN EN 474-3 Fillil and Level Glound - 60% F131L)	lbs	24409
3	Maximum Overall Length	mm	10408
	Waximum Overali Eengur	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
	<u> </u>	in	-3.9 1796
6	Reach with Arms Horizontal and Forks Level	mm in	70.7
		mm	869
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095
0	Ground to Top of Title with Arms Horizontal and Fork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
	Ground to Top of Time at Maximum Fleight and Fork Level	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
	<u> </u>	in	98.3
12	Max Discharge Angle from Horizontal	deg	55
40	OII Oi \Mi-HH-	mm	2821
13	Overall Carriage Width	in	111.1
11	Overall Carriage Height	mm	1129
	Overall Garriage Fleight	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	- / /	in	103.4
16	Outside Tine Width (min spread)	mm	747
	<u> </u>	in	29.4 250.0
	Tine Width (single tine)	mm in	9.8
		mm	85.0
	Tine Thickness	in	3.3
	Tine Canacity	kg	18700
	Tine Capacity	lbs	41215
	Operating Weight	kg	30649
	Operating Progrit	lbs	67550
	*Negative velves indicate below goods		

 980 AGG QC
 2x 150 mm HE Tilt Cylinders

 108" Carriage
 72" Tine

 Construction Fork, HD, FUSION
 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.

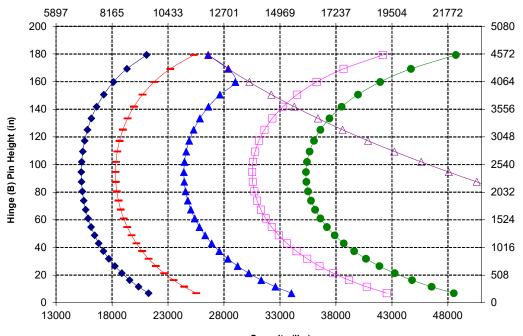
-+- Hydraulic Lift Capacity

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

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

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



Capacity (lbs) (Calculated Load at CG Point)

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

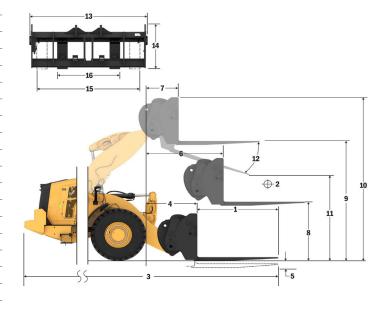
### **Fork Specifications**

	·		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Celliel	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15281
		lbs kg	33678 13191
	Static Tipping Load - Articulated (Forks Level)	lbs	29073
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6595
	Naica Load (OAL 11137 - 30701 1012)	lbs	14536
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7915 17444
		ka	10553
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	23258
3	Maximum Overall Length	mm	10717
	Waximum Overali Lengui	in	421.9
4	Reach with Forks at Ground Level	mm	1166
		in mm	45.9 -99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
	Neach with Airns Honzontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	<u> </u>	in mm	34.2 2100
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
	Ground to Top of Time at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in mm	212.9 2247
11	Clearance at Full Lift and Max Dump	in	88.5
12	Max Discharge Angle from Horizontal	deg	55
-12	Wax Discharge Angle Iron Horizontal		
13	Overall Carriage Width	mm	2821
		in mm	111.1 1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	Odiside Tille Width (Max Spicad)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	· · · · · ·	in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
	THE THURNESS	in	3.5
	Tine Capacity	kg	17729
	<u> </u>	lbs	39075 30751
	Operating Weight	kg lbs	67775
	*Negative values indicate below grade	103	31113

 980 AGG QC
 2x 150 mm HE Tilt Cylinders

 108" Carriage
 84" Tine

 Construction Fork, HD, FUSION
 523-4199
 523-4201



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

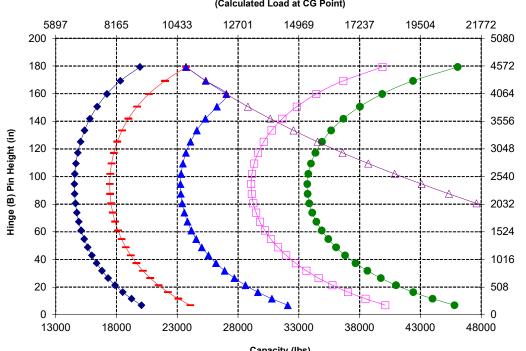


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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

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

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

# **Fork Specifications**

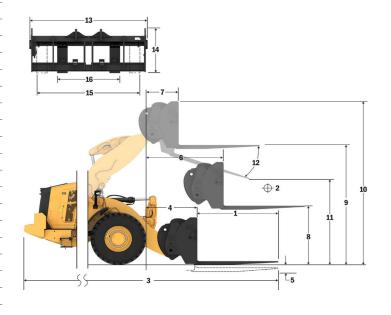
Fork	Sna	cifica	ations
LOIK	Spe	CHIC	<b>4110115</b>

. •	. K opecinications		
1	Tine Length	mm in	2438
_	1 10 1	mm	96.0 1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14537
	Static Tipping Load - Straight (Forks Level)	lbs	32039
	Static Tipping Load - Articulated (Forks Level)	kg	12528
	11 3 ( )	lbs	27612
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6264 13806
		kg	7517
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16567
	D + 11	ka	9628
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	21221
3	Maximum Overall Length	mm	11025
	Maximum Overali Lengin	in	434.1
4	Reach with Forks at Ground Level	mm	1170
	Trought Will T onto at Ground 20101	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	70.9 874
7	Reach with Fork at Maximum Height	mm in	34.4
		mm	2102
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
_	Oncome data Tana of Time at Manifestory Halinkt and Fault 1991	mm	4370
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	Overall fleight of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
		in	78.5
12	Max Discharge Angle from Horizontal	deg	55
	<u> </u>	mm	2821
13	Overall Carriage Width	in	111.1
		mm	1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
-13	Outside Title Width (Max Spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
	Outside Time Width (min Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	, ,	in	9.8
	Tine Thickness	mm	90.0
		in kg	3.5 15750
	Tine Capacity	lbs	34713
	O	kg	30902
	Operating Weight	lbs	68108

 980 AGG QC
 2x 150 mm HE Tilt Cylinders

 108" Carriage
 96" Tine

 Construction Fork, HD, FUSION
 523-4199
 523-4202



Hinge (B) Pin Height (mm)

### · ·

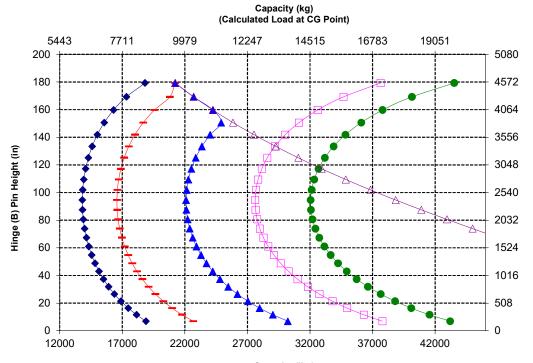


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\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (lbs) (Calculated Load at CG Point)

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

**Optional** 

Standard

# **Standard and Optional Equipment**

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

	Standard	Optional
OPERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	✓	
Door, remote opening system		✓
EH implement controls, parking brake	✓	
Footrest		✓
HMU steering wheel	✓	
Steering, joystick		✓
Implement joystick (2V, 3V only)		✓
Entertainment radio (FM, AM, USB, Bluetooth®)		✓
Entertainment radio (DAB+)		✓
CB radio ready		✓
Seat, cloth, air suspension	✓	
Seat, suede/cloth, air suspension, heated/cooled		✓
Seat, leather/cloth, air suspension, heated/cooled		✓
Touchscreen display	✓	
Keypad, programmable buttons	✓	
Mirrors, heated		✓
Air conditioner, heater, defroster (auto temp, fan)	✓	
Sun visor, front, retractable	✓	
Sun visor, rear, retractable		✓
Windows, front, safety laminated rounded glass	✓	
Windows, front, heavy-duty, or full guards		✓
ON-BOARD TECHNOLOGIES		
Autodig with Auto Set Tires	✓	
Operator ID and machine security	✓	
Application Profiles	✓	
Job Aids	✓	
Controls Help and eOMM*	✓	
Cat® Payload	✓	
Cat Advanced Payload		✓
Cat Payload for Trade****		✓
Cat Payload Printer with E-ticket <sup>1</sup>		✓
Dispatch for Loading <sup>1</sup>		✓
Key Features Inform	✓	
Bucket Carry Display Widget	✓	
Remote Services	✓	

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

Lights: LED

(continued on next page)

<sup>\*</sup> Not available in all languages

<sup>\*\*</sup> Standard where mandated

<sup>\*\*\*</sup> Not Compatible with roading arrangements

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

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

# Standard and Optional Equipment (continued)

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

	Standard	Optional
MONITORING SYSTEM		
Front dash with analog gauges, LCD display, and warning lights	✓	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings and messages)	✓	
Tire pressure monitor		✓
Maintenance reminders	✓	
LINKAGE		
Standard lift, Z-bar	✓	
High lift, Z-bar		✓
Kickouts: lift and tilt	✓	
ADDITIONAL EQUIPMENT		
Cat Autolube system		✓
Fenders, extensions or roading		✓
Guards: powertrain, crankcase, cab, cylinders, rear		✓
Biodegradable hydraulic oil		✓
High-speed oil change system		✓
Rear cab access		✓
Fast fill fuel tank		✓
Single Life Cutting Edge GET		✓
Toolbox		✓

<sup>\*</sup> Not available in all languages

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

<sup>\*\*</sup> Standard where mandated

<sup>\*\*\*</sup> Not Compatible with roading arrangements

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

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

# 980 Environmental Declaration

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

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

### **Engine**

- Cat engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3, EU Stage IIIA, and China Nonroad Stage III.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
- Cat engines are compatible with diesel fuel blended with following lower-carbon intensity fuels\*\* up to:
- 100% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

### **Air Conditioning System**

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

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

#### **Paint**

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

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

### **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<sup>TM</sup> 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%

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



# 980

# Waste and Scrap Handler

Waste and scrap handler models feature guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap vards, 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**

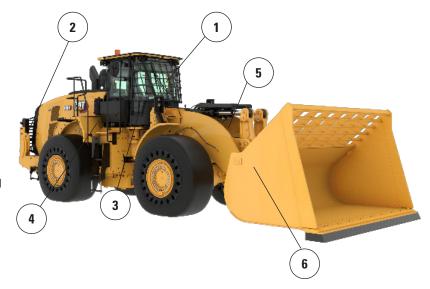
- Extended fluid and filter change intervals help to reduce maintenance costs.
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash 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.

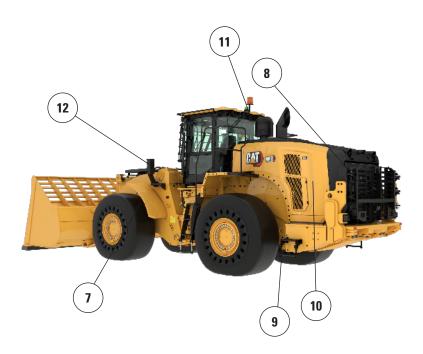
#### Work in Comfort in the All New Cab

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

### 980 Waste and Scrap Handler Specifications

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





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

# **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.				

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

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

# **Tire Options**

	MAXAM	MAXAM	MICHELIN
29.5R25	29.5R25	29.5R25	29.5R25
L-3	L-4	L-5	L-3
MS302	MS405DX	MS503	XHA2
3270 mm	3256 mm	3268 mm	3270 mm
10'9"	10'9"	10'9"	10'9"
3290 mm	3282 mm	3304 mm	3296 mm
10'10"	10'10"	10'11"	10'10"
−28 mm	−42 mm	-15 mm	−49 mm
−1.1"	−1.7"	-0.6"	−1.9"
−25 mm	-12 mm	-33 mm	−8 mm
−1"	-0.5"	-1.3"	−0.3"
60 mm	52 mm	75 mm	66 mm
2.4"	2.1"	2.9"	2.6"
−60 mm	−52 mm	−75 mm	−66 mm
−2.4"	−2.1"	−2.9"	−2.6"
-6300 kg	−6160 kg	−5520 kg	−6472 kg
-13,892 lb	−13,583 lb	−12,172 lb	−14,271 lb
−4791 kg	-4685 kg	-4198 kg	-4922 kg
−10,564 lb	-10,330 lb	-9,257 lb	-10,853 lb
−4171 kg	-4078 kg	-3654 kg	-4284 kg
−9,196 lb	-8,992 lb	-8,058 lb	-9,447 lb
±13 degrees	±13 degrees	±13 degrees	±13 degrees
549 mm	549 mm	549 mm	549 mm
1'10"	1'10"	1'10"	1'10"
	L-3  MS302  3270 mm 10'9"  3290 mm 10'10"  -28 mm -1.1"  -25 mm -1"  60 mm 2.4"  -60 mm -2.4"  -6300 kg -13,892 lb  -4791 kg -10,564 lb  -4171 kg -9,196 lb  ±13 degrees 549 mm	L−3  MS302  MS405DX  3270 mm 10'9" 3290 mm 10'10"  -28 mm -1.1"  -25 mm -1.1"  -25 mm -1"  -0.5"  60 mm 2.4"  2.1"  -60 mm -2.4"  -2.1"  -6300 kg -13,892 lb  -13,583 lb  -4791 kg -10,564 lb  -10,330 lb  -4171 kg -9,196 lb  ±13 degrees  549 mm  -4256 mm  3282 mm 10'10"  -42 mm -42 mm -1.7"  -1.7"  -1.7"  -25 mm -2.1"  -6160 kg -13,583 lb  -4791 kg -4685 kg -10,564 lb -10,330 lb -4791 kg -4078 kg -9,196 lb ±13 degrees  549 mm	L-3         L-4         L-5           MS302         MS405DX         MS503           3270 mm 10'9"         3256 mm 10'9"         3268 mm 10'9"           3290 mm 10'10"         3282 mm 10'10"         3304 mm 10'11"           −28 mm −10'10"         −42 mm −15 mm −1.1"         −15 mm −0.6"           −25 mm −1"         −0.6"         −33 mm −1.3"           60 mm −2.4"         −2.1 mm −2.1"         −33 mm −2.9"           −60 mm −2.4"         −2.1"         −2.9"           −60 mm −2.4"         −2.1"         −2.9"           −6300 kg −13,892 lb         −6160 kg −13,583 lb         −5520 kg −12,172 lb           −4791 kg −4791 kg −10,564 lb         −4685 kg −10,330 lb         −9,257 lb           −4171 kg −9,196 lb         −8,992 lb         −8,058 lb           ±13 degrees         ±13 degrees         ±13 degrees           549 mm         549 mm         549 mm

<sup>\*</sup>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	3341 mm	3344 mm	3357 mm	3333 mm	3341 mm
	11'1"	11'0"	11'0"	11'1"	11'0"	11'0"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm	3363 mm	3365 mm
	11'2"	11'1"	11'1"	11'2"	11'1"	11'1"
Change in Vertical Dimensions (average of front and rear)	−34 mm	−28 mm	−26 mm	-43 mm	−35 mm	−17 mm
	−1.4"	−1.1"	−1"	-1.7"	−1.4"	−0.7"
Change in Horizontal Reach	−13 mm	−10 mm	−12 mm	−12 mm	−7 mm	−31 mm
	−0.5"	−0.4"	−0.5"	−0.5"	−0.3"	−1.2"
Change in Clearance Circle to Outside of Tires	155 mm	129 mm	136 mm	152 mm	133 mm	135 mm
	6.1"	5.1"	5.4"	6"	5.2"	5.3"
Change in Clearance Circle to Inside of Tires	-155 mm	−129 mm	−136 mm	−152 mm	−133 mm	-135 mm
	-6.1"	−5.1"	−5.4"	−6"	−5.2"	-5.3"
Change in Operating Weight (without Ballast)	-5812 kg	−5532 kg	-5456 kg	-5464 kg	−5856 kg	−5288 kg
	-12,815 lb	−12,198 lb	-12,030 lb	-12,048 lb	−12,912 lb	−11,660 lb
Change in Static Tipping Load – Straight	-4420 kg	−4207 kg	-4149 kg	-4155 kg	-4453 kg	-4022 kg
	-9,746 lb	−9,277 lb	-9,149 lb	-9,163 lb	-9,820 lb	-8,867 lb
Change in Static Tipping Load – Articulated	-3848 kg	-3662 kg	-3612 kg	−3617 kg	−3877 kg	-3501 kg
	-8,484 lb	-8,075 lb	-7,964 lb	−7,976 lb	−8,548 lb	-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	340 mm	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"	1'1"	1'1"

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

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 <sup>3</sup>	5.40	5.40	
	yd³	7.00	7.00	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.90	5.90	
	$yd^3$	7.75	7.75	
Width	mm	3447	3447	
	ft/in	11'3"	11'3"	
6† Dump Clearance at Maximum Lift	mm	3292	3187	
and 45° Discharge	ft/in	10'9"	10'5"	
7† Reach at Maximum Lift and	mm	1510	1618	
45° Discharge	ft/in	4'11"	5'3"	
Reach at Level Lift Arm and	mm	2994	3146	
Bucket Level	ft/in	9'9"	10'3"	
A† Digging Depth	mm	84	89	
	in	3.3"	3.5"	
2† Overall Length	mm	9636	9791	
,	ft/in	31'8"	32'2"	
B† Overall Height with Bucket at	mm	6432	6536	
Maximum Lift	ft/in	21'2"	21'6"	
Loader Clearance Circle Radius	mm	7614	7697	
with Bucket at Carry Position	ft/in	25'0"	25'4"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	30 843	29 341	
(No tire deflection)	lb	67,998	64,686	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	26 742	25 353	
(No tire deflection)	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	

<sup>\*</sup> 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.

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

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

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

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

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

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion		
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	m <sup>3</sup>	5.70	5.70		
	$yd^3$	7.50	7.50		
Capacity - Rated at 110% Fill Factor	$m^3$	6.30	6.30		
	$yd^3$	8.25	8.25		
Width	mm	3481	3481		
	ft/in	11'5"	11'5"		
6† Dump Clearance at Maximum Lift	mm	3233	3123		
and 45° Discharge	ft/in	10'7"	10'2"		
7† Reach at Maximum Lift and	mm	1567	1668		
45° Discharge	ft/in	5'1"	5'5"		
Reach at Level Lift Arm and	mm	3079	3228		
Bucket Level	ft/in	10'1"	10'7"		
A† Digging Depth	mm	72	89		
	in	2.8"	3.5"		
2† Overall Length	mm	9711	9873		
	ft/in	31'11"	32'5"		
B† Overall Height with Bucket at	mm	6505	6604		
Maximum Lift	ft/in	21'5"	21'8"		
Loader Clearance Circle Radius	mm	7648	7739		
with Bucket at Carry Position	ft/in	25'2"	25'5"		
Static Tipping Load, Straight	kg	N/A	N/A		
(With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Straight	kg	29 816	29 072		
(No tire deflection)	lb	65,733	64,094		
Static Tipping Load,	kg	N/A	N/A		
Articulated (With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Articulated	kg	25 714	25 102		
(No tire deflection)	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		

<sup>\*</sup> 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.

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

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

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

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

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

Linkage	Standard Linkage			
Bucket Type		General Purpose – Pin-On		
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	m <sup>3</sup>	6.00	6.40	
	yd³	7.75	8.25	
Capacity – Rated at 110% Fill Factor	m³	6.60	7.00	
	$yd^3$	8.75	9.25	
Width	mm	3481	3413	
	ft/in	11'5"	11'2"	
16† Dump Clearance at Maximum Lift	mm	3205	3150	
and 45° Discharge	ft/in	10'6"	10'4"	
17† Reach at Maximum Lift and	mm	1580	1633	
45° Discharge	ft/in	5'2"	5'4"	
Reach at Level Lift Arm and	mm	3107	3185	
Bucket Level	ft/in	10'2"	10'5"	
A† Digging Depth	mm	84	84	
	in	3.3"	3.3"	
12† Overall Length	mm	9749	9826	
	ft/in	32'0"	32'3"	
<b>B</b> † Overall Height with Bucket at	mm	6528	6608	
Maximum Lift	ft/in	21'5"	21'9"	
Loader Clearance Circle Radius	mm	7660	7651	
with Bucket at Carry Position	ft/in	25'2"	25'2"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	30 543	30 324	
(No tire deflection)	lb	67,336	66,854	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	26 455	26 251	
(No tire deflection)	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	

<sup>\*</sup> 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.

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

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

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

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

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

Linkage		Standard Linkage		
Bucket Type		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	
	yd³	13.00	14.00	
Capacity - Rated at 110% Fill Factor	$m^3$	10.90	11.80	
	$yd^3$	14.25	15.50	
Width	mm	3882	3882	
	ft/in	12'8"	12'8"	
16† Dump Clearance at Maximum Lift	mm	3072	2760	
and 45° Discharge	ft/in	10'0"	9'0"	
17† Reach at Maximum Lift and	mm	1490	1650	
45° Discharge	ft/in	4'10"	5'4"	
Reach at Level Lift Arm and	mm	3153	3487	
Bucket Level	ft/in	10'4"	11'5"	
A† Digging Depth	mm	110	70	
	in	4.3"	2.7"	
2† Overall Length	mm	9815	10 229	
	ft/in	32'3"	33'7"	
B† Overall Height with Bucket at	mm	7135	6962	
Maximum Lift	ft/in	23'5"	22'11"	
Loader Clearance Circle Radius	mm	7865	7996	
with Bucket at Carry Position	ft/in	25'10"	26'3"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	32 036	29 162	
(No tire deflection)	lb	70,629	64,292	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	27 647	25 104	
(No tire deflection)	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	

<sup>\*</sup> 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.

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

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

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

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

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

Linkage		High	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		
	yd³	7.00	7.00		
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.90	5.90		
	$yd^3$	7.75	7.75		
Width	mm	3447	3447		
	ft/in	11'3"	11'3"		
6† Dump Clearance at Maximum Lift	mm	3513	3408		
and 45° Discharge	ft/in	11'6"	11'2"		
<b>7</b> † Reach at Maximum Lift and	mm	1513	1621		
45° Discharge	ft/in	4'11"	5'3"		
Reach at Level Lift Arm and	mm	3154	3306		
Bucket Level	ft/in	10'4"	10'10"		
A† Digging Depth	mm	82	87		
	in	3.2"	3.4"		
2† Overall Length	mm	9838	9993		
	ft/in	32'4"	32'10"		
<b>B</b> † Overall Height with Bucket at	mm	6653	6757		
Maximum Lift	ft/in	21'10"	22'2"		
Loader Clearance Circle Radius	mm	8115	8202		
with Bucket at Carry Position	ft/in	26'8"	26'11"		
Static Tipping Load, Straight	kg	N/A	N/A		
(With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Straight	kg	28 182	26 779		
(No tire deflection)	lb	62,131	59,039		
Static Tipping Load,	kg	N/A	N/A		
Articulated (With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Articulated	kg	24 900	23 585		
(No tire deflection)	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		

<sup>\*</sup> 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.

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

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

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

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

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

Linkage		High	High Lift Linkage		
Bucket Type		General Purpose – Pin-On General Purpose – Hook-On – F			
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges		
Capacity – Rated	$m^3$	5.70	5.70		
	$yd^3$	7.50	7.50		
Capacity – Rated at 110% Fill Factor	$m^3$	6.30	6.30		
	$yd^3$	8.25	8.25		
Width	mm	3481	3481		
	ft/in	11'5"	11'5"		
6† Dump Clearance at Maximum Lift	mm	3454	3343		
and 45° Discharge	ft/in	11'3"	10'11"		
7† Reach at Maximum Lift and	mm	1570	1671		
45° Discharge	ft/in	5'1"	5'5"		
Reach at Level Lift Arm and	mm	3239	3388		
Bucket Level	ft/in	10'7"	11'1"		
A† Digging Depth	mm	70	87		
	in	2.7"	3.4"		
2† Overall Length	mm	9914	10075		
	ft/in	32'7"	33'1"		
B† Overall Height with Bucket at	mm	6725	6824		
Maximum Lift	ft/in	22'1"	22'5"		
Loader Clearance Circle Radius	mm	8149	8243		
with Bucket at Carry Position	ft/in	26'9"	27'1"		
Static Tipping Load, Straight	kg	N/A	N/A		
(With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Straight	kg	27 151	26 520		
(No tire deflection)	lb	59,859	58,468		
Static Tipping Load,	kg	N/A	N/A		
Articulated (With tire deflection)	lb	N/A	N/A		
Static Tipping Load, Articulated	kg	23 870	23 340		
(No tire deflection)	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		

<sup>\*</sup> 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.

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

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

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

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

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

Linkage		High Lift Linkage		
Bucket Type		General Purpose – Pin-On		
Edge Type	Bolt-On Cutting Edges		Bolt-On Cutting Edges	
Capacity – Rated	m <sup>3</sup>	6.00	6.40	
	yd³	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"	
6† Dump Clearance at Maximum Lift	mm	3426	3370	
and 45° Discharge	ft/in	11'2"	11'0"	
7† Reach at Maximum Lift and	mm	1583	1636	
45° Discharge	ft/in	5'2"	5'4"	
Reach at Level Lift Arm and	mm	3267	3345	
Bucket Level	ft/in	10'8"	10'11"	
A† Digging Depth	mm	82	82	
	in	3.2"	3.2"	
2† Overall Length	mm	9951	10 028	
· -	ft/in	32'8"	32'11"	
<b>B</b> † Overall Height with Bucket at	mm	6749	6829	
Maximum Lift	ft/in	22'2"	22'5"	
Loader Clearance Circle Radius	mm	8161	8152	
with Bucket at Carry Position	ft/in	26'10"	26'9"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	27 884	27 671	
(No tire deflection)	lb	61,474	61,005	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	24 613	24 413	
(No tire deflection)	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	

<sup>\*</sup> 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.

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

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

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

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

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

Linkage		High Lift Linkage		
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – Pin-On	
Edge Type		Bolt-On Cutting Edges	Rubber Edge	
Capacity – Rated	m <sup>3</sup>	9.90	10.70	
	yd³	13.00	14.00	
Capacity – Rated at 110% Fill Factor	$m^3$	10.90	11.80	
	$yd^3$	14.25	15.50	
Width	mm	3882	3882	
	ft/in	12'8"	12'8"	
16† Dump Clearance at Maximum Lift	mm	3292	2980	
and 45° Discharge	ft/in	10'9"	9'9"	
17† Reach at Maximum Lift and	mm	1493	1653	
45° Discharge	ft/in	4'10"	5'5"	
Reach at Level Lift Arm and	mm	3313	3647	
Bucket Level	ft/in	10'10"	11'11"	
A† Digging Depth	mm	108	68	
	in	4.2"	2.6"	
12† Overall Length	mm	10 015	10 424	
	ft/in	32'11"	34'3"	
<b>B</b> † Overall Height with Bucket at	mm	7355	7183	
Maximum Lift	ft/in	24'2"	23'7"	
Loader Clearance Circle Radius	mm	8366	8494	
with Bucket at Carry Position	ft/in	27'6"	27'11"	
Static Tipping Load, Straight	kg	N/A	N/A	
(With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Straight	kg	28 932	26 460	
(No tire deflection)	lb	63,785	58,335	
Static Tipping Load,	kg	N/A	N/A	
Articulated (With tire deflection)	lb	N/A	N/A	
Static Tipping Load, Articulated	kg	25 448	23 221	
(No tire deflection)	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	

<sup>\*</sup> 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.

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

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

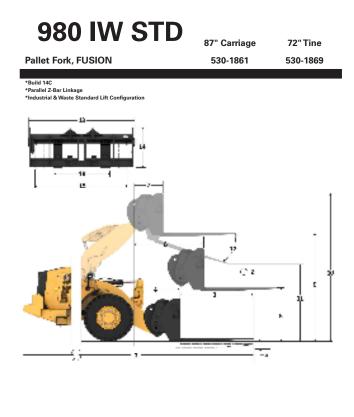
<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

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

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

### **Fork Specifications**

For	k Specifications		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	19698 43414
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	17161 37823
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	8327 18352
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8327 18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8327 18352
3	Maximum Overall Length	mm in	10406 409.7
4	Reach with Forks at Ground Level	mm in	1225 48.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-146 -5.8
6	Reach with Arms Horizontal and Forks Level	mm in	1839 72.4
7	Reach with Fork at Maximum Height	mm in	913 35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2028 79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4297 169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5072 199.7
11	Clearance at Full Lift and Max Dump	mm in	2681 105.5
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	36158 79693





\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Brawler Smooth SolidTires, 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.

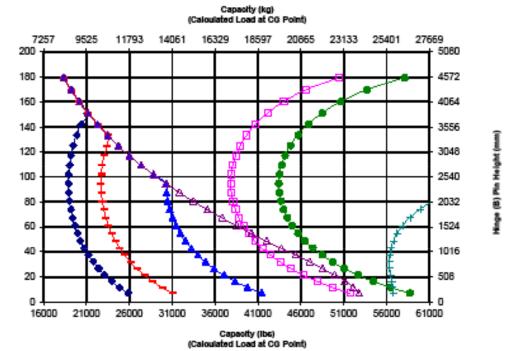
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static

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.

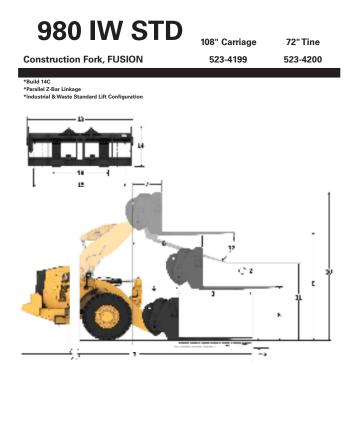
\*SAE - Society of Automotive Engineers

\*\*CEN - European Committee for Standardization



# **Fork Specifications**

For	k Specifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
		in kg	36.0 19104
	Static Tipping Load - Straight (Forks Level)	lbs	42106
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	16559 36495
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	8279 18248
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8905
	D	lbs kg	19627 8905
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19627
3	Maximum Overall Length	mm	10369
		in mm	408.2 1189
4	Reach with Forks at Ground Level	in	46.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-95 -3.7
6	Reach with Arms Horizontal and Forks Level	mm	1826
	TICUCH WILL ATTIS TICHECHILLI UNG FORG ECVCI	in	71.9 899
7	Reach with Fork at Maximum Height	mm in	35.4
_	O 1. T (T 21A III I II. I	mm	2099
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4368 172.0
	0	mm	5412
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Clearance at Full Lift and Max Dump	mm	2502
12	Max Discharge Angle from Horizontal	in	98.5 55
		<u>deg</u> mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
	Overall durings freight	in	44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm	747
		in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
	Tine Thickness	in	3.3
	Tine Capacity	kg	18700
	P	lbs	41215 37035
	Operating Weight	kg Ibs	81626





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.

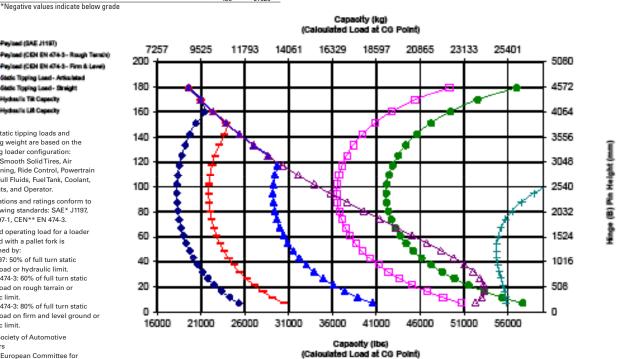
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tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

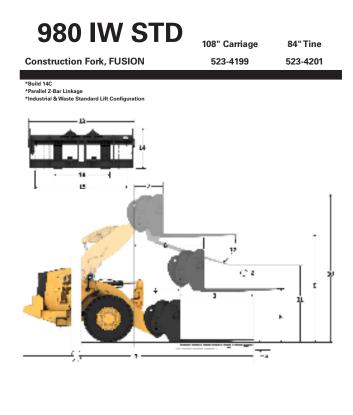
\*SAE - Society of Automotive Engineers

Standardization



### **Fork Specifications**

For	k Specifications		
1	Tine Length	mm	2134
	•	in mm	84.0 1067
2	Load Center	in	42.0
	0. 3. 7. 1. 1. 0. 11./5.1. 1. 1	kg	18247
	Static Tipping Load - Straight (Forks Level)	lbs	40217
	Ctatia Tinaina Land Antiquilated (Fadea Land)	kg	15803
	Static Tipping Load - Articulated (Forks Level)	lbs	34830
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7902
	Hated Load (OAL 01137 - 30/01101L)	lbs	17415
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
	nated 25dd (5214 214 17 1 5 Hodgin 1511am 5578 1 1512)	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 1193
4	Reach with Forks at Ground Level	mm in	47.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-95 -3.7
			1826
6	Reach with Arms Horizontal and Forks Level	mm in	71.9
		mm	899
7	Reach with Fork at Maximum Height	in	35.4
		mm	2104
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.8
_	A 1: T 7T : M 1: U1: U5: U5: U5: U5: U5: U5: U5: U5: U5: U5	mm	4373
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.2
40	0 1111:11:15:1 (5.1 (5.1 (5.1 (5.1 (5.1 (5.1 (5.1 (5.	mm	5412
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Classes at Full Lift and Man Down	mm	2252
	Clearance at Full Lift and Max Dump	in	88.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
13	Overall Carriage vituti	in	111.1
14	Overall Carriage Height	mm	1129
	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	Outoldo Tillo Titlati (Illax oproda)	in	103.4
16	Outside Tine Width (min spread)	ш́ш	747
	outside time vitati (iiiii opiouu)	in	29.4
	Tine Width (single tine)	ш́ш	250.0
	· · · · · · · · · · · · · · · · · · ·	in	9.8
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	17729
		lbs	39075
	Operating Weight	kg	37137 81851
		lbs	ชาชา





\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth SolidTires, 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.

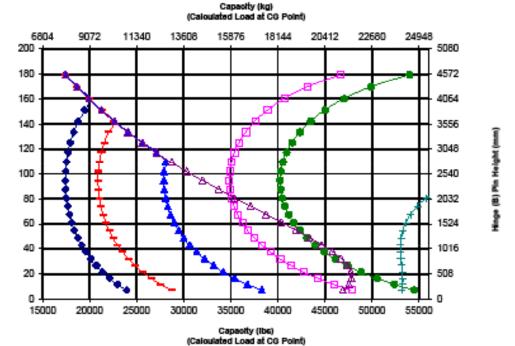
The rated operating load for a loader equipped with a pallet fork is determined by:

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.

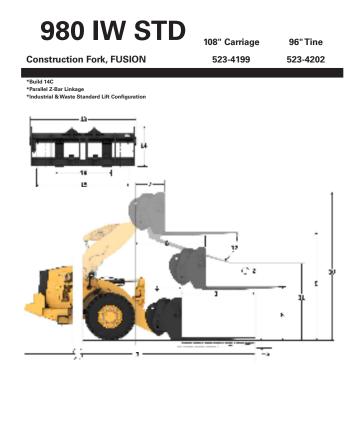
\*SAE - Society of Automotive

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# **Fork Specifications**

For	k Specifications		
1	Tine Length	mm	2438
		in mm	96.0 1219
2	Load Center	in	48.0
	0: : T : 1 1 0: :1:/5 1 1 1	kg	17393
	Static Tipping Load - Straight (Forks Level)	lbs	38333
	Static Tipping Load - Articulated (Forks Level)	kg	15043
	Static ripping Load - Articulated (Forks Level)	lbs	33156
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7041
	Hated Load (SAL STIST - 30 /0 I I STL)	lbs	15518
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7041
	Tutou Loud (OLIT LIT I) To Hough Torrain Oo // Trotty	lbs	15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
		lbs	15518
3	Maximum Overall Length	mm	10986
		in	432.5
4	Reach with Forks at Ground Level	mm in	1197 47.1
			-93
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-3.7
		mm	1831
6	Reach with Arms Horizontal and Forks Level	in	72.1
_		mm	904
7	Reach with Fork at Maximum Height	in	35.6
_	A 1: T /T 51A 11: 11 15:11 1	mm	2106
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4375
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412
10	Overall fleight of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Clearance at Full Lift and Max Dump	mm	1998
		in	78.7
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 in	2629 103.5
	<u> </u>	mm	747
16	Outside Tine Width (min spread)	in	29.4
		mm	250.0
	Tine Width (single tine)	in	9.8
		mm	90.0
	Tine Thickness	in	3.5
		kg	15750
	Tine Capacity	lbs	34713
	• · · · · · · · · · · · · · · · · · · ·	kg	37288
	Operating Weight	lbs	82184





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.

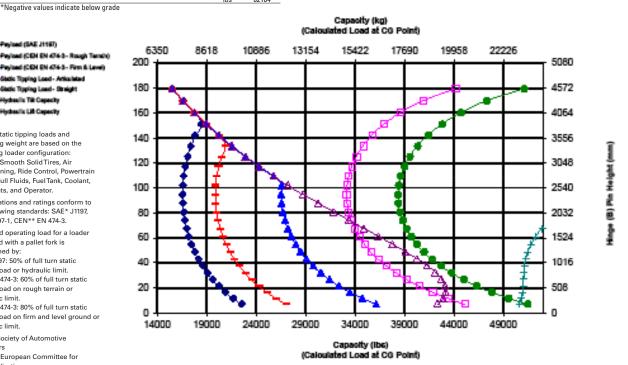
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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

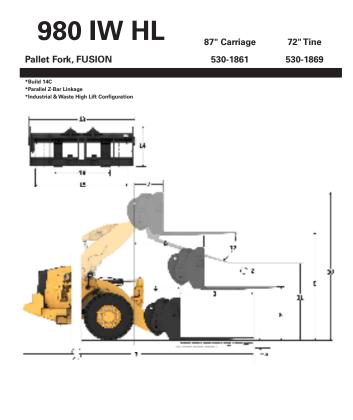
\*SAE - Society of Automotive Engineers

Standardization



### **Fork Specifications**

k Specifications		
Tine Length	mm in	1830 72.0
Load Center	mm in	915 36.0
Static Tipping Load - Straight (Forks Level)	kg lbs	18618 41035
Static Tipping Load - Articulated (Forks Level)	kg	16537 36447
Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7970 17566
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7970 17566
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7970 17566
Maximum Overall Length	mm	10615 417.9
Reach with Forks at Ground Level	mm in	1434 56.4
*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-145 -5.7
Reach with Arms Horizontal and Forks Level	mm	2012 79.2
Reach with Fork at Maximum Height	mm	928 36.5
Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2028 79.8
Ground to Top of Tine at Maximum Height and Fork Level	mm	4517 177.8
Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5292 208.3
Clearance at Full Lift and Max Dump	mm	2846
May Discharge Angle from Horizontal		112.1_ 47
Overall Carriage Width	mm	2217 87.3
Overall Carriage Height	mm	840 33.1
Outside Tine Width (max spread)	mm	2070
	mm	81.5 470
	mm	18.5 150.0
	<u>in</u> mm	5.9 65.0
Title TitleKiless	in	2.6
Tine Capacity	kg Ibs	5246 11562
Operating Weight	kg lbs	36296 79996
	Load Center  Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  *Ground to Bottom of Tine at Minimum Height and Fork Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Ground to Top of Tine at Maximum Height and Fork Level  Overall Height of Fork at Full Lift (top of carriage to ground)  Clearance at Full Lift and Max Dump  Max Discharge Angle from Horizontal  Overall Carriage Width  Overall Carriage Height  Outside Tine Width (max spread)  Tine Width (single tine)  Tine Thickness  Tine Capacity	Tine Length  Load Center  Static Tipping Load - Straight (Forks Level)  Static Tipping Load - Articulated (Forks Level)  Rated Load (SAE J1197 - 50% FTSTL)  Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Reach with Forks at Ground Level  "mm  in  Reach with Forks at Ground Level  "mm  Reach with Forks at Ground Level  "mm  Reach with Fork at Maximum Height and Fork Level  "mm  Ground to Top of Tine at Maximum Height and Fork Level  "mm  Ground to Top of Tine with Arms Horizontal and Fork Level  "mm  Ground to Top of Tine at Maximum Height and Fork Level  "mm  Ground to Top of Tine at Maximum Height and Fork Level  "mm  Ground to Top of Tine at Maximum Height and Fork Level  "mm  Ground to Top of Tine at Maximum Height and Fork Level  "mm  Ground to Top of Tine at Maximum Height and Fork Level  "mm  in  Overall Height of Fork at Full Lift (top of carriage to ground)  "mm  Max Discharge Angle from Horizontal  deg  Overall Carriage Height  "mm  Overall Carriage Height  "mm  Tine Width (min spread)  Tine Width (min spread)  Tine Width (single tine)  Tine Thickness  "mm  Tine Thickness  "mm  Tine Top Capacity  None Straight Skg





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

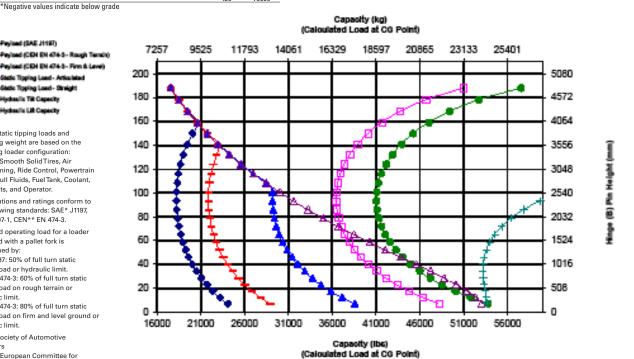
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3. The rated operating load for a loader

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

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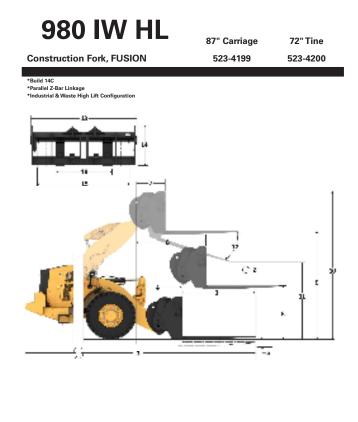
tipping load on firm and level ground or hydraulic limit. Engineers Standardization



# 980 Waste and Scrap Handler Specifications

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	18010 39694
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15921 35090
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7961 17545
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8586 1892
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8586 1892
3	Maximum Overall Length	mm in	1057 416.4
4	Reach with Forks at Ground Level	mm in	1397 55.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-91 -3.6
6	Reach with Arms Horizontal and Forks Level	mm in	1999 78.7
7	Reach with Fork at Maximum Height	mm in	915 36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2101 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4590 180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5634 221.8
11	Clearance at Full Lift and Max Dump	mm	2678
12	Max Discharge Angle from Horizontal	in	105.4 57
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm	250.0
	Tine Thickness	in mm	9.8 85.0
	Tine Capacity	in kg	3.3 18700
		lbs kg	41215 37173
	Operating Weight	lbs	81929





\*Negative values indicate below grade

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

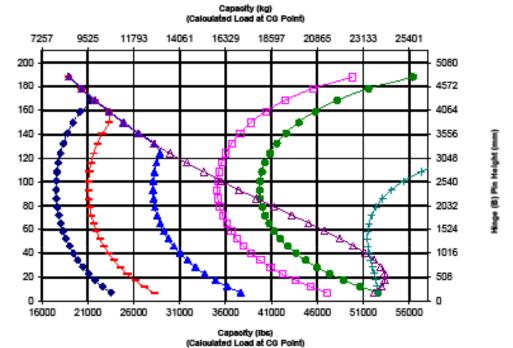
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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 Standardization

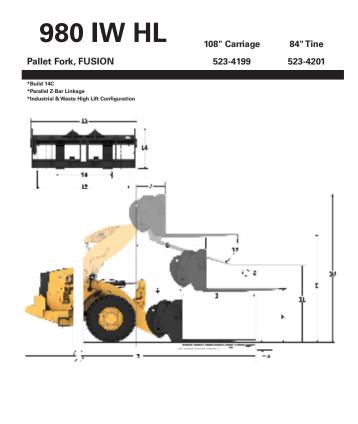


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each line.

# 980 Waste and Scrap Handler Specifications

#### **Fork Specifications**

For	k Specifications		
1	Tine Length	mm in	2134 84.0
_		IN	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	17225
	otatio ripping zona otrangin (romo zovor)	lbs	37964
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15216 33537
		kg	7608
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	16768
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7633
	Hatea Load (OLIV LIV 474 O Hough Terrain OO/011O1L)	lbs	16824
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7633 16824
		lbs mm	10885
3	Maximum Overall Length	in	428.6
4	Reach with Forks at Ground Level	mm	1401
4	Reach with Forks at Ground Level	in	55.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
	oround to Bottom or time at thiniman riorgin and rork 20101	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm in	1999 78.7
_		mm	915
7	Reach with Fork at Maximum Height	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2106
0	dround to Top of Time with Arms Horizonital and Fork Level	in	82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4595
		in	180.9 5634
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	221.8
	01 (5.81%) 114 D	mm	2422
11	Clearance at Full Lift and Max Dump	in	95.4
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	шm	2821
		in mm	111.1 1129
14	Overall Carriage Height	in	44.4
45	O I T MEN /	mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
10	Outside Time Vitati (IIIII Spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
		mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
	ппе сараспу	lbs	39075
	Operating Weight	kg	37275
	*Negative values indicate below grade	lbs	82154





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth SolidTires, 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.

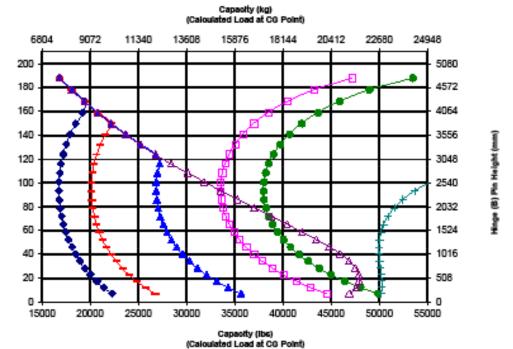
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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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Standardization

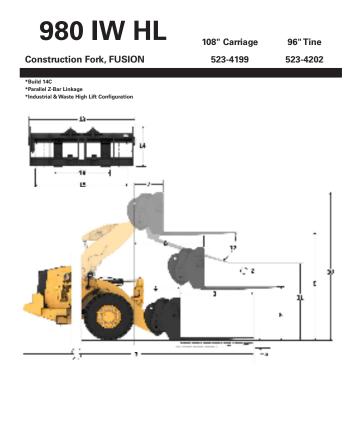


NOTICE: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each line.

# 980 Waste and Scrap Handler Specifications

#### **Fork Specifications**

Foi	k Specifications		
1	Tine Length	mm in	2438 96.0
_	-	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	16436
		lbs kg	36225 14502
	Static Tipping Load - Articulated (Forks Level)	lbs	31962
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6791
	Hatea Load (SAL 91137 - 30 // 1131L)	lbs	14967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6791 14967
		kq	6791
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14967
3	Maximum Overall Length	mm	11194
<u> </u>	Waxiiidiii Overali Lerigiii	in	440.7
4	Reach with Forks at Ground Level	mm in	1405 55.3
		mm	-89
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.5
_	Reach with Arms Horizontal and Forks Level	mm	2004
6	Reach with Arms Horizontal and Forks Level	in	78.9
7	Reach with Fork at Maximum Height	mm	920
		in	36.2 2108
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	83.0
_	O 1. T (T .M	mm	4597
9	Ground to Top of Tine at Maximum Height and Fork Level	in	181.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
		in mm	221.8 2163
11	Clearance at Full Lift and Max Dump	in	85.2
12	Max Discharge Angle from Horizontal	dea	57
13	Overall Carriage Width	mm	2821
13	Overall Carriage Wildli	in	111.1
14	Overall Carriage Height	mm	1127 44.4
		in mm	2629
15	Outside Tine Width (max spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
10	Outside fille voluit (fillif spread)	in	29.4
	Tine Width (single tine)	шm	250.0
		in mm	9.8 90.0
	Tine Thickness	in	3.5
	To Consider	kg	15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	37426
	operating weight	lbs	82487





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth SolidTires, 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.

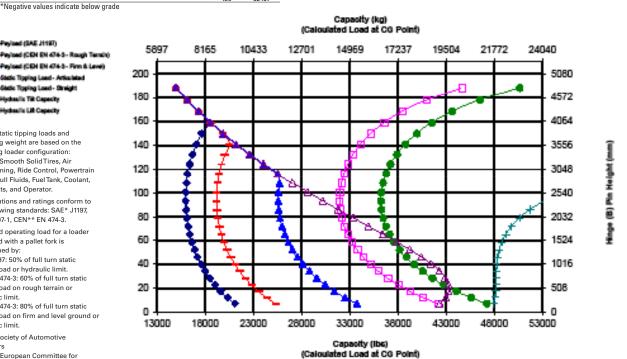
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tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or

hydraulic limit. \*SAE - Society of Automotive Engineers

Standardization

The rated operating load for a loader



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.

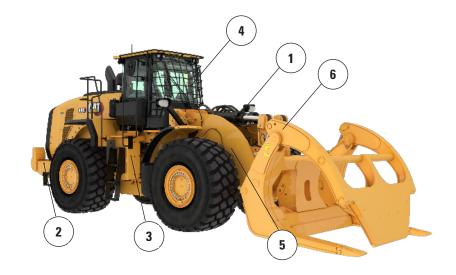
#### Work in Comfort in the All New Cab

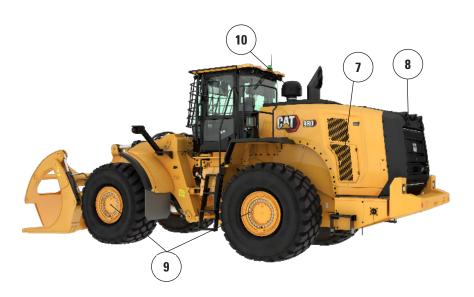
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and 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**

- 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
- 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 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		–7 mm	–23 mm	–40 mm	–19 mm	-33 mm
(average of front and rear)		-0.3"	-0.9"	-1.6"	-0.8"	-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"

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

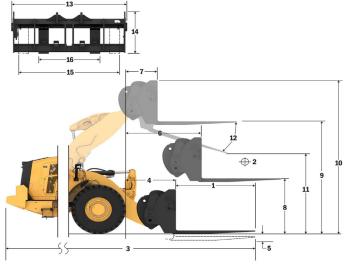
Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	875/65R29	875/65R29	875/65R29	875/65R29
Tread Type	L-3	L-3	L-4	L-4
Tread Pattern	XHA2	VTS	VLTS	MS405DX
Width over Tires – Maximum (empty)*	3373 mm	3341 mm	3344 mm	3357 mm
	11'1"	11'0"	11'0"	11'1"
Width over Tires – Maximum (loaded)*	3384 mm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

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

#### Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Edd Conto	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15352 33835
	Static Tipping Load - Articulated (Forks Level)	kg	13533
	Otatio ripping Load - 74 tiodiated (1 onto Lover)	lbs	29826
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6766 14913
	Detect Lond (OFN FN 474 2 Decemb Terrain COO/ FTCTL)	kg	8120
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17896
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	10826
	,	lbs mm	23861 11174
3	Maximum Overall Length	in	439.9
4	Reach with Forks at Ground Level	mm	1318
-	Treach with Lorks at Glound Level	in	51.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-143
		in mm	-5.6 1840
6	Reach with Arms Horizontal and Forks Level	in	72.4
7	Reach with Fork at Maximum Height	mm	913
	Treach with Fork at Maximum Height	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2169 85.4
_	0 11 7 17 11 11 11 15 11 1	mm	4438
9	Ground to Top of Tine at Maximum Height and Fork Level	in	174.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5810
	Overall Freight of Ferri at Fair Lint (top of barriage to ground)	in	228.7 2165
11	Clearance at Full Lift and Max Dump	mm in	85.3
12	Max Discharge Angle from Horizontal	deg	47
12	Max Discharge Angle Horri Horizonial		
13	Overall Carriage Width	mm in	2751 108.3
	Occupation of the last	mm	1575
14	Overall Carriage Height	in	62.0
15	Outside Tine Width (max spread)	mm	2671
		in mm	105.1 849
16	Outside Tine Width (min spread)	in	33.4
	Tine Width (single tine)	mm	88.9
		in	3.5
	Tine Thickness	mm in	203.2 8.0
	The Constitution	kg	11068
	Tine Capacity	lbs	24393
	Operating Weight	kg	31500
	operating resigns	lbs	69426

980 LOG 96" Tine Pallet, Pin-ON 473-9104



\*Negative values indicate below grade

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

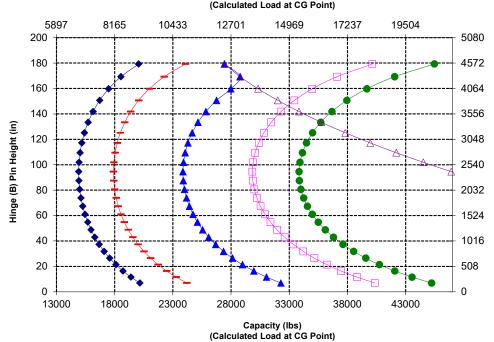


NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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





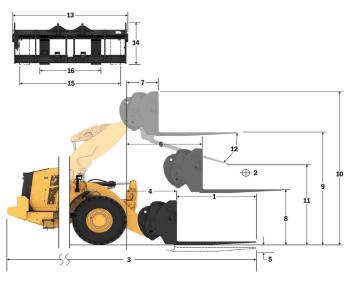
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

#### **Fork Specifications**

	-1		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Otatic Timeira Land Otacidat (Fade Land)	in ka	36.0 16872
	Static Tipping Load - Straight (Forks Level)	lbs	37187
	Static Tipping Load - Articulated (Forks Level)	kg	14904
		lbs kg	32849 7452
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	16424
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8943
	Trace Edda (OEIV EIV 474 O Trough Tollain OO70 T TOTE)	lbs	19709
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11923 26279
3	Maximum Overall Length	mm	10568
	Maximum Overali Lengin	in	416.1
4	Reach with Forks at Ground Level	mm	1322
		in mm	52.1 -149
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1840
	Reach with Arms honzonial and Forks Level	in	72.4
7	Reach with Fork at Maximum Height	mm	913
	<u> </u>	in mm	35.9 2163
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	85.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4432
	Glound to Top of Time at Maximum Height and Fork Level	in	174.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5810 228.7
44	Clearance at Full Lift and Max Dump	mm	2607
_''	Clearance at 1 dil Lilt and Max Dump	in	102.7
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
		mm	1581
14	Overall Carriage Height	in	62.3
15	Outside Tine Width (max spread)	mm	2671
	Catolas Tills Triatil (Max oproda)	in	105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm	88.9
	Title Width (single title)	in	3.5
	Tine Thickness	mm	203.2
		in kg	8.0 14742
	Tine Capacity	lbs	32491
	Operating Weight	kg	31268
	Operating Weight	lbs	68915

980 LOG 72" Tine Pallet, Pin-ON 473-9106

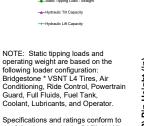


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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

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



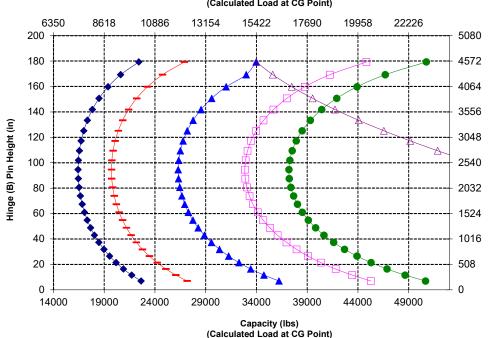
operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator. Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

--- Hydraulic Lift Capacity

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 \*\*CEN - European Committee for



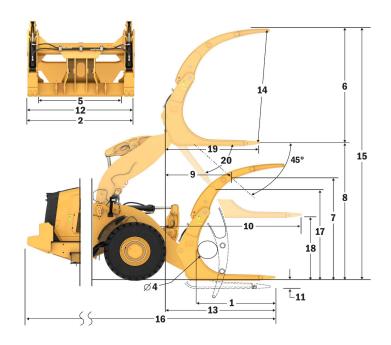
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

#### **Fork Specifications**

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

**980 LOG**Millyard, Pin-On

72" Tine
507-6128



\*Negative values indicate below grade

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

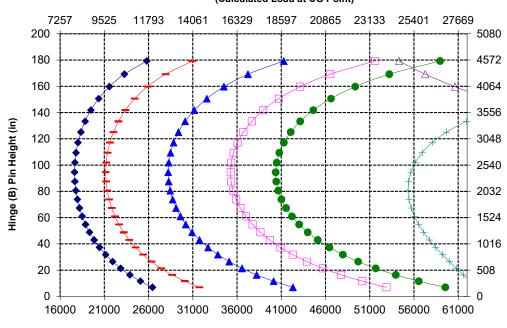


NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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	Sne	cifica	tions
	Opt	CILICE	1110113

го	rk Specifications		
1	Tine length	mm	1826
		in	71.9 2802
2	Fork width	mm in	110.3
		m2	2.43
	End area	ft2	2.43
	Inside Height	mm	1540
3	(only applies to double top clamp)	in	61
	Min. opening	mm	N/A
4	(only applies to millyard forks)	in	N/A
		kg	31970
	Operating Weight	lbs	70481
_		mm	2256
5	Distance inside of tine tips	in	89
	Static tipping load, articulated	kg	15920
	Fork level	lbs	35097.5
	Static tipping load, straight	kg	18102
	Fork level	lbs	39906.6
	Max. height of fork	mm	3394
6	(w/clamp open if applicable)	in	133.6
7	Clearance w/full lift, 45 deg dump	mm	2979
1	(if max. dump <> 45)	in	117.3
8	Clearance @ full lift fork level	mm	4301
0	Clearance (b) run int lork level	in	169.3
9	Reach w/full lift, 45 deg dump	mm	1603
	(if max. dump <> 45)	in	63.1
10	Reach w/lift arm horizontal and fork level	mm	3287
	Trought Willit and Holzonial and John Joves	in	129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
		in	-3.0
12	Width over tines	mm	2752
		in	108.4
13	Reach @ ground level	mm	2570
		in	101
14	Max. opening across tine and clamp	mm	2936
		in	115.6
15	Overall height of fork @ full lift and	mm	7695
	clamp open	in	303.0
16	Overall length Tip of tine to rear of machine	mm	9987
	Clearance @ full lift and max. dump	in	393.2 2936
17	Discharge (if <> 45)	mm	2936 115.6
	Clearance w/horizontal lift arms and	in mm	2032.2
18	fork level	in	80.0
		mm	2359.9
19	Reach @ full lift and fork level	in	92.9
		deg	47
20	Max. discharge angle from horizontal	rad	0.8
	*Negative values indicate below grade	rau	0.0

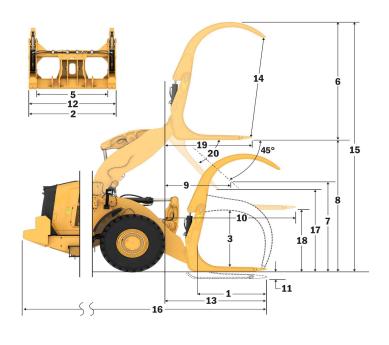
980 LOG

72" Tine

Logging, Pin-On

383-1822

Hinge (B) Pin Height (mm)



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

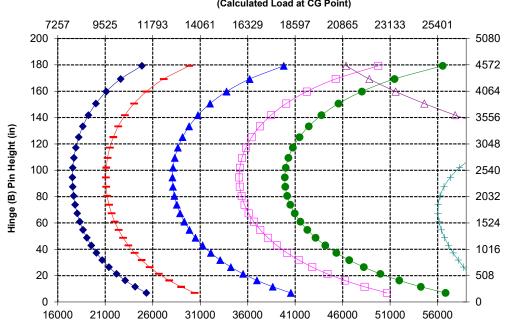


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



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



# 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.

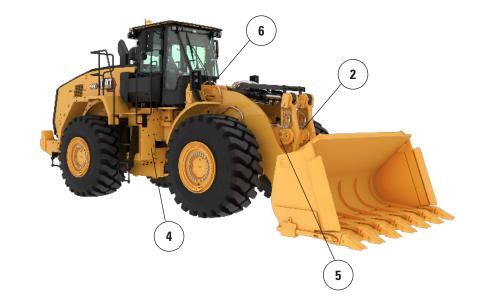
#### Work in Comfort in the All New Cab

- 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
- 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





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

# **980 Steel Mill Specifications**

Tire 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 hulde and includes tire growth				

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

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

# **980 Steel Mill Specifications**

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	3256 mm	3268 mm	3227 mm
	10'9"	10'9"	10'9"	10'8"
Width over Tires – Maximum (loaded)*	3290 mm	3282 mm	3304 mm	3230 mm
	10'10"	10'10"	10'11"	10'8"
Change in Vertical Dimensions	−19 mm	−33 mm	−6 mm	9 mm
(average of front and rear)	−0.8"	−1.3"	−0.2"	0.4"
Change in Horizontal Reach	6 mm	19 mm	−3 mm	30 mm
	0.2"	0.7"	−0.1"	1.2"
Change in Clearance Circle to Outside of Tires	30 mm	22 mm	44 mm	−30 mm
	1.2"	0.9"	1.7"	−1.2"
Change in Clearance Circle to Inside of Tires	−30 mm	−22 mm	−44 mm	30 mm
	−1.2"	−0.9"	−1.7"	1.2"
Change in Operating Weight (without Ballast)	−528 kg	−388 kg	252 kg	5772 kg
	−1,164 lb	−856 lb	556 lb	12,727 lb
Change in Static Tipping Load – Straight	-402 kg	−295 kg	192 kg	4390 kg
	-885 lb	−651 lb	423 lb	9,679 lb
Change in Static Tipping Load – Articulated	−350 kg	−257 kg	167 kg	3821 kg
	−771 lb	−566 lb	368 lb	8,425 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"
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<sup>\*</sup>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	3341 mm	3344 mm	3357 mm	3333 mm	3341 mm
	11'1"	11'0"	11'0"	11'1"	11'0"	11'0"
Width over Tires – Maximum (loaded)*	3384 mm	3359 mm	3366 mm	3382 mm	3363 mm	3365 mm
	11'2"	11'1"	11'1"	11'2"	11'1"	11'1"
Change in Vertical Dimensions (average of front and rear)	−25 mm	−19 mm	−16 mm	−34 mm	−25 mm	−8 mm
	−1"	−0.8"	−0.6"	−1.3"	−1.0"	−0.3"
Change in Horizontal Reach	18 mm	20 mm	19 mm	19 mm	23 mm	-1 mm
	0.7"	0.8"	0.7"	0.7"	0.9"	0"
Change in Clearance Circle to Outside of Tires	124 mm	99 mm	106 mm	122 mm	103 mm	105 mm
	4.9"	3.9"	4.2"	4.8"	4.0"	4.1"
Change in Clearance Circle to Inside of Tires	−124 mm	−99 mm	−106 mm	−122 mm	−103 mm	−105 mm
	−4.9"	−3.9"	−4.2"	−4.8"	−4.0"	−4.1"
Change in Operating Weight (without Ballast)	−40 kg	240 kg	316 kg	308 kg	−84 kg	484 kg
	−88 lb	529 lb	697 lb	679 lb	−185 lb	1,067 lb
Change in Static Tipping Load – Straight	−30 kg	183 kg	240 kg	234 kg	−64 kg	368 kg
	−67 lb	402 lb	530 lb	516 lb	−141 lb	812 lb
Change in Static Tipping Load – Articulated	−26 kg	159 kg	209 kg	204 kg	−56 kg	320 kg
	−58 lb	350 lb	461 lb	450 lb	−123 lb	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	340 mm	340 mm	340 mm	340 mm	340 mm
	1'1"	1'1"	1'1"	1'1"	1'1"	1'1"

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

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

Linkage		Standard Linkage	
Bucket Type Slag – Pin-On Edge Type Teeth and Segments			
		Teeth and Segments	
Capacity – Rated	m <sup>3</sup>	3.80	
	$yd^3$	5.00	
Capacity - Rated at 110% Fill Factor	$m^3$	4.20	
	yd³	5.50	
Width	mm	3394	
	ft/in	11'1"	
<b>16</b> † Dump Clearance at Maximum Lift	mm	3206	
and 45° Discharge	ft/in	10'6"	
17† Reach at Maximum Lift and	mm	1493	
45° Discharge	ft/in	4'10"	
Reach at Level Lift Arm and	mm	3021	
Bucket Level	ft/in	9'10"	
A† Digging Depth	mm	114	
	in	4.5"	
12† Overall Length	mm	9793	
	ft/in	32'2"	
<b>B</b> † Overall Height with Bucket at	mm	6016	
Maximum Lift	ft/in	19'9"	
Loader Clearance Circle Radius	mm	7635	
with Bucket at Carry Position	ft/in	25'1"	
Static Tipping Load, Straight	kg	20 885	
(With tire deflection)	lb	46,031	
Static Tipping Load, Straight	kg	22 305	
(No tire deflection)	lb	49,161	
Static Tipping Load,	kg	17 710	
Articulated (With tire deflection)	lb	39,033	
Static Tipping Load, Articulated	kg	18 982	
(No tire deflection)	1b	41,836	
Breakout Force (§)	kN	257	
	lbf	57,919	
Operating Weight*	kg	33 895	
	lb	74,704	

<sup>\*</sup> 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.

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

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

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

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

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



# 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 reduce maintenance costs by up to 20%.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat App helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.

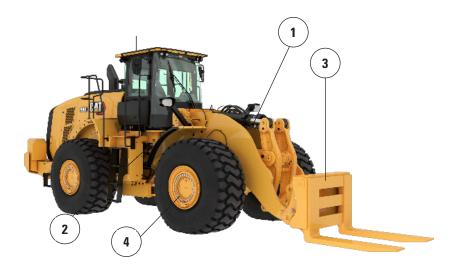
#### Work in Comfort in the All New Cab

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

# **980 Block Handler Specifications**

#### 980 Block Handler Features

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





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

# **980 Block Handler Specifications**

Tire 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		-1 mm	43 mm
(average of front and rear)		0"	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"

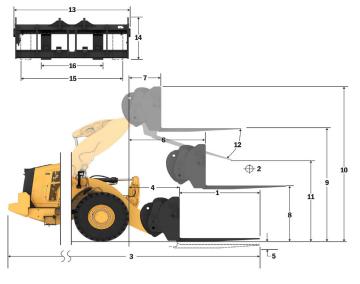
<sup>\*</sup>Width over tire bulge and includes tire growth.

#### **Fork Specifications**

го	ik Specifications		
1	Tine Length	mm in	1495 58.9
2	Load Center	mm	748
	Edua Gontoi	in	29.4
	Static Tipping Load - Straight (Forks Level)	kg Ibs	21931 48335
	Static Timeing Land Articulated (Foulst Level)	ka	19180
	Static Tipping Load - Articulated (Forks Level)	lbs	42273
	Rated Load (SAE J1197 - 50% FTSTL)	kg	9590
	114104 2044 (0112 01101 00701 1012)	lbs	21137
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	11508 25364
		ka	15344
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	33819
3	Maximum Overall Length	mm	10365
<u> </u>	Maximum Overali Lengtii	in	408.1
4	Reach with Forks at Ground Level	ṁш	1259
		in	49.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-254 -10.0
		in mm	1766
6	Reach with Arms Horizontal and Forks Level	in	69.5
7	Reach with Fork at Maximum Height	mm	839
	Reach with Fork at Maximum neight	in	33.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1971
	Ordana to Top of Time Wall Tame Trongonial and Tolk 2010	in	77.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4239 166.9
		mm	5284
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	208.0
44	Clearance at Full Lift and Max Dump	mm	2842
11	Clearance at Full Lift and Max Dump	in	111.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	1504
	O Totali Garriago Triali	in	59.2
14	Overall Carriage Height	mm	1160
		in mm	45.7 1454
15	Outside Tine Width (max spread)	in	57.2
40	Outside The Middle (min and all)	mm	1454
16	Outside Tine Width (min spread)	in	57.2
	Tine Width (single tine)	mm	300.0
	Tille Width (onlyie tille)	in	11.8
	Tine Thickness	mm	115.0
		in kg	4.5 26488
	Tine Capacity	lbs	58380
	On a section of Washington	kg	33601
	Operating Weight	lbs	74056
	441		

**980 BH**Block Handler Fork

59" Tine
453-9870



\*Negative values indicate below grade

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

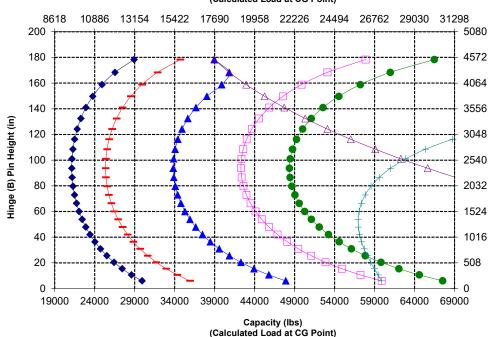


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \*\* VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

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





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

Hinge (B) Pin Height (mm)



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

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

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AEXQ4429-00 (11-2025)
Build Number: 14C
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Aus-NZ, SE Asia, India,
Indonesia)

