

# 980 XE Wheel Loader

## **Technical Specifications**

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

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Engine – (U.S. EPA Tier 4 Final/EU Stage V)				
Engine Model	Cat® C13			
Engine Power @ 1,700 rpm	313 kW	420 hp		
ISO 14396:2002	426 hp (metri	ic)		
Gross Power @ 1,700 rpm	317 kW	425 hp		
SAE J1995:2014	431 hp (metric)			
Net Power @ 1,700 rpm	293 kW	393 hp		
ISO 9249:2007, SAE J1349:2011	398 hp (metric)			
Engine Torque (1,200 rpm)	2185 N·m	1,612 lbf-ft		
ISO 14396:2002				
Gross Torque (1,200 rpm)	2206 N·m	1,627 lbf-ft		
SAE J1995:2014				
Net Torque (1,100 rpm)	2086 N·m	1,539 lbf-ft		
ISO 9249:2007, SAE J1349:2011				
Bore	130 mm	5.12 in		
Stroke	157 mm	6.18 in		
Displacement	12.5 L	763 in <sup>3</sup>		

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible\* with ULSD blended with the following lower-carbon intensity fuels\*\* up to:
- 20% biodiesel FAME (fatty acid methyl ester) \*\*\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

Buckets		
Bucket Capacities	4.0-14.5 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	7.0 km/h	4.4 mph
Forward 2	13.6 km/h	8.4 mph
Forward 3	24.0 km/h	14.9 mph
Forward 4	39.5 km/h	24.5 mph
Reverse 1	8.1 km/h	5.0 mph
Reverse 2	15.5 km/h	9.6 mph
Reverse 3	29.5 km/h	18.3 mph
Reverse 4	n/a	n/a

• 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 Displacement Piston, Electo-Hydraulic			
Implement System:				
Maximum Pump Output (1,400 rpm)	457 L/min	121 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  Maximum Pressure at Work Tool	20 684 kPa	3,000 psi		
Hydraulic Cycle Time with Rated Payload:				
Raise from Carry Position	5.3 sec			
Dump, at Maximum Raise	1.7 sec			
Lower, Empty, Float Down	3.1 sec			
Total	10.1 sec			

Brakes	
Brakes	Brakes meet ISO 3450:2011 standards

Fixed, open differential
Oscillating, open differential

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

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

70 dB(A)
110 dB(A)
70 dB(A)
107 dB(A)

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

#### **Air Conditioning System**

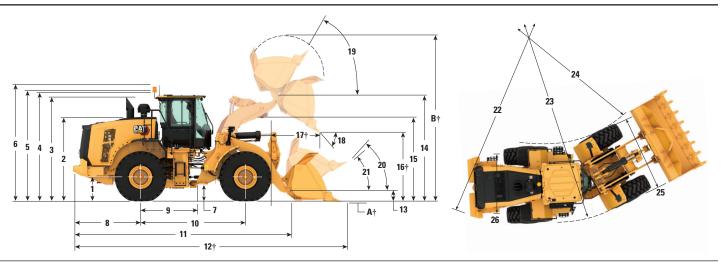
The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a  $\rm CO_2$  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  $\mathrm{CO}_2$  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 degrees	
20	Rack Back at Carry Height*	48 deg	rees	50 degrees	
21	Rack Back at Ground*	40 deg	rees	40 degrees	
22	Clearance Circle (dia) to Counterweight	13 692 mm	45'0"	13 722 mm	45'0"
23	Clearance Circle (dia) to Outside of Tires	13 700 mm	45'0"	13 700 mm	45'0"
	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 (average of front and rear)	−25 mm	−19 mm	−16 mm	-34 mm	−8 mm
	−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.

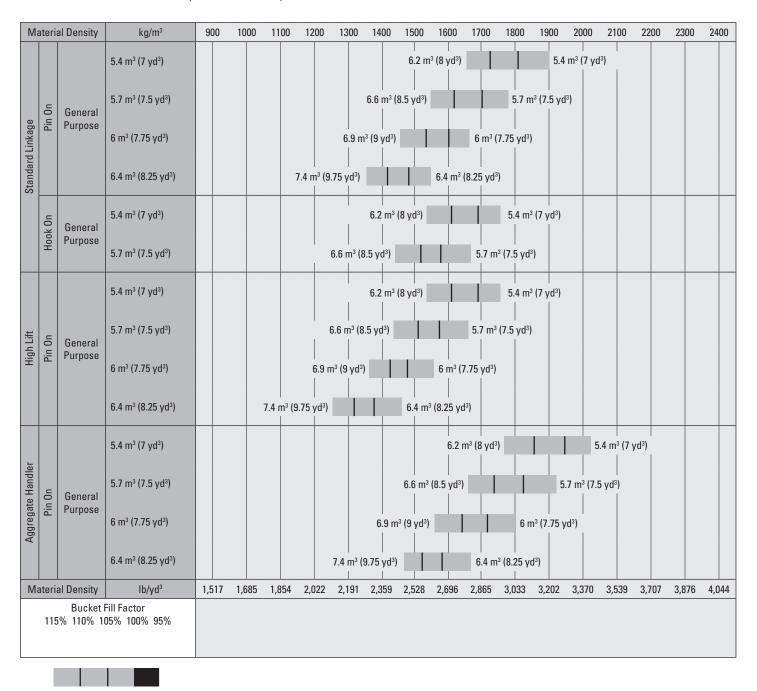
#### **Bucket Fill Factors and Selection Guide**

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.

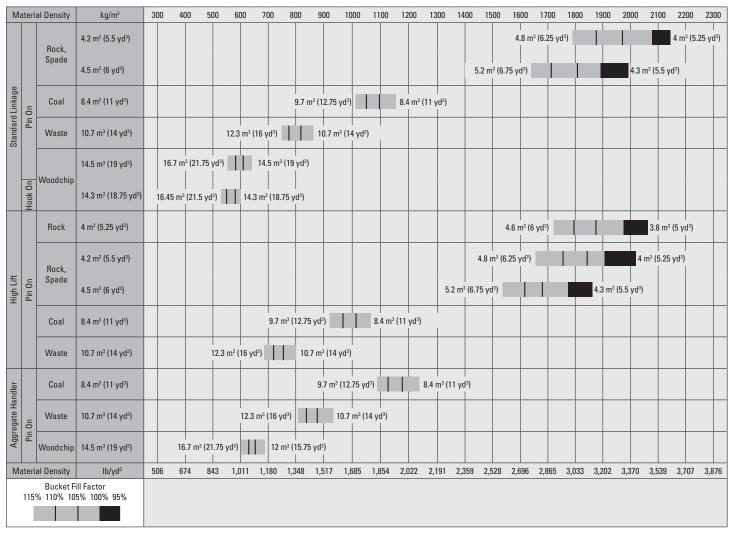
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Note: All buckets are showing Bolt-On Edges.

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

Linkage		Standar	d Linkage		
Bucket Type			General Pui	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
	$yd^3$	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"
<b>A</b> † 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		Standar	d Linkage		
Bucket Type			General Pu	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	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.

<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.

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<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	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>B</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.

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 ISO14397-1:2007 Sections 1 thru 5.

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	ge Standard Linkage				
Bucket Type		Rock, Spade	e*** – Pin On		
Edge Type		Teeth and Segments	Teeth and Segments		
Capacity – Rated	$m^3$	4.40	4.50		
	$yd^3$	5.75	6.00		
Capacity - Rated at 110% Fill Factor	$m^3$	4.80	5.00		
	$yd^3$	6.25	6.50		
Width	mm	3524	3524		
	ft/in	11'6"	11'6"		
5† 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"		
?† Overall Length	mm	9990	9990		
	ft/in	32'10"	32'10"		
† 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		Standar	d Linkage				
Bucket Type		General Purpose — Hook On — Fusion™					
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments		
Capacity – Rated	$m^3$	5.40	5.40	5.70	5.70		
	$yd^3$	7.00	7.00	7.50	7.50		
Capacity - Rated at 110% Fill Factor	$m^3$	5.90	5.90	6.30	6.30		
	$yd^3$	7.75	7.75	8.25	8.25		
Width	mm	3447	3535	3447	3535		
	ft/in	11'3"	11'7"	11'3"	11'7"		
16† Dump Clearance at Maximum Lift	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> † 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 Lif	ft 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 Li	ft Linkage	
Bucket Type			General Pu	rpose – Pin On	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	6.00	6.00	6.40	6.40
	$yd^3$	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	m <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	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 Lif	ft Linkage	
Bucket Type			General Purpose	– Pin On – Abrasion	
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	$m^3$	6.00	6.00	6.40	6.40
	$yd^3$	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	$m^3$	6.60	6.60	7.00	7.00
	$yd^3$	8.75	8.75	9.25	9.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift	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)*	1b	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	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	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	t 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"	
<b>7</b> † 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"	
<b>2</b> † 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	
	lb	50,520	49,678	
Static Tipping Load, Straight	kg	24 244	23 863	
(Rigid Tire)*	lb	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	
(0)	lbf	48,628	48,436	
Operating Weight*	kg	31 805	32 101	
- r	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 Lit	ft 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.

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

Linkage			Aggregate H	andler 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
	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"
<b>16</b> † 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)*	lb	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
	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.

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

<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.

Linkage			Aggregate H	andler Linkage	
Bucket Type			General Pu	pose – 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"
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 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	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> 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
	yd <sup>3</sup>	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> † 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)*	1b	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.

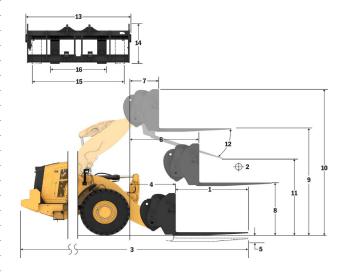
Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Fork Specifications**

#### **Fork Specifications**

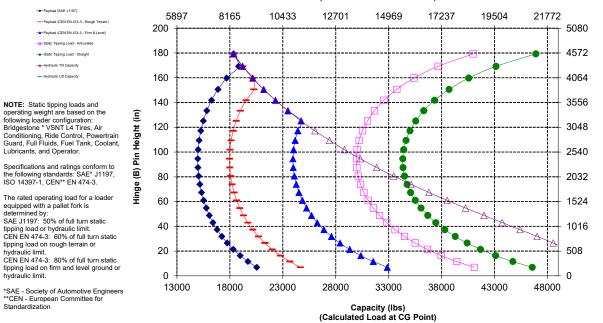
	opeoout.one		
1	Tine Length	mm in	1830 72.0
_	Ld Od	mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15570
	Otatio ripping Load - Otatight (Folio Level)	lbs	34316
	Static Tipping Load - Articulated (Forks Level)	kg	13586
	· · · · · · · · · · · · · · · · · · ·	lbs kg	29943 6793
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14971
	Detect Level (OFN FN 474 0 Decemb Terreion COOK FTOTI )	kg	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
	Trailed Load (CETY ETY 474-51 IIIII and Level Ground - 00 /// 1 151E)	lbs	18352
3	Maximum Overall Length	mm	10442
		in	411.1
4	Reach with Forks at Ground Level	mm in	1199 47.2
		mm	-151
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.9
_	Basak with American talloring Ended Land	mm	1809
6	Reach with Arms Horizontal and Forks Level	in	71.2
7	Reach with Fork at Maximum Height	mm	883
	Reach with Fork at Maximum Height	in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
		in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4292 169.0
		mm	5067
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	199.5
	0	mm	2676
11	Clearance at Full Lift and Max Dump	in	105.4
12	Max Discharge Angle from Horizontal	deg	45
12	Max Discharge Angle Iron Horizontal		
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
40	Outside Time Middle (sein seussell)	mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	Title Width (Single title)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kq	5246
	·	lbs	11562 29081
	Operating Weight	ka Ibs	64093
		105	0-093





Payload (CEN EN 474-3 - Firm & Level

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



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

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

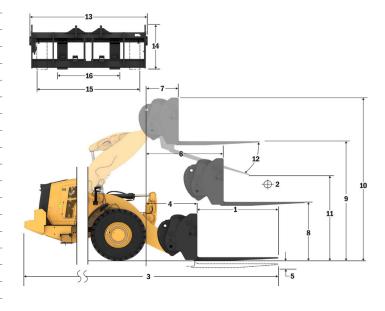
#### **Fork Specifications**

Fork	Spec	ifica	tions
1 011	Opec	,,,,	uous

. •	. R opcomouncie		
1	Tine Length	mm in	1829
_	1 10 1	mm	72.0 915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	15292
	Static ripping Load - Straight (Forks Level)	lbs	33703
	Static Tipping Load - Articulated (Forks Level)	kg	13299
	11 5 ( )	lbs	29312
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6650 14656
_		lbs kg	7980
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17587
	D + 11	ka	8691
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19155
3	Maximum Overall Length	mm	10383
	Maximum Overali Lengtii	in	408.8
4	Reach with Forks at Ground Level	mm	1141
	Trouble Marie and at Ground 20101	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
_	0 11 7 (7 31 4 11 1 15 11 1	mm	2135
8	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 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
	O TOTAIN THOUGHT OF THE ACT AND EAST (top or dammage to growing)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
	<u>'</u>	in	102.3
12	Max Discharge Angle from Horizontal	deg	51
	0 110 : WE 111	mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Tille Triadi (max oprodu)	in	97.8
16	Outside Tine Width (min spread)	ṁш	590
	· ' '	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
		mm	90.0
	Tine Thickness	in	3.5
	Ti Oit	kg	14800
	Tine Capacity	lbs	32619
	Operating Weight	kg	29520
	Operating wedgitt	lbs	65061



\*Build 14A \*Parallel Z-Bar Linkage \*Standard Lift Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

## Capacity (kg)

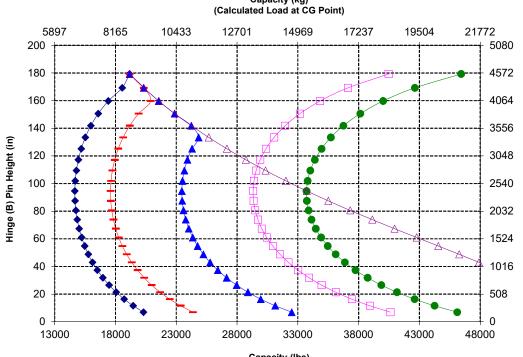


NOTE: Static tipping loads and operating weight are based on the Following loader configuration:
Bridgestone \* VSNT L4 Tires, Air
Conditioning, Ride Control, Powertrain
Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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. 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

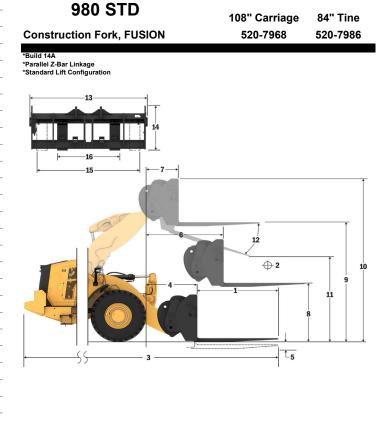


Capacity (lbs) (Calculated Load at CG Point)

#### **Fork Specifications**

#### **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 101L)	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 THURIESS	in	3.5
	Tine Capacity	kg	12700
		lbs	27991
	Operating Weight	kg lbs	29582 65198
		IDS	00190



## → Payload (SAE J1197)

-- Static Tipping Load - Straight

Hydraulic Lift Capacity

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

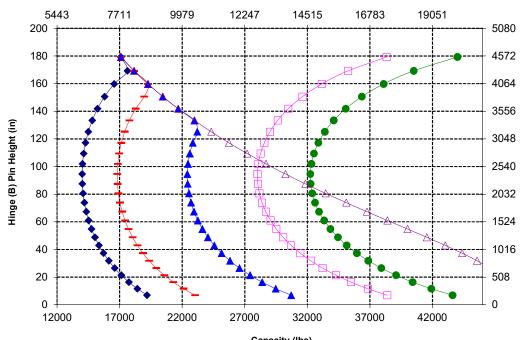
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

tipping load on firm and level ground or

\*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**

#### **Fork Specifications**

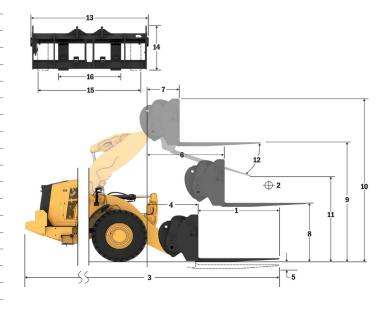
. •	opcomoduono		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Ceriter	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	13999 30855
	Otatia Timpia a Land Adiandata d (Fanta Land)	kg	12159
	Static Tipping Load - Articulated (Forks Level)	lbs	26799
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6080
		lbs	13399 6988
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6988
	Traced Load (CEN EN 474-51 IIIII and Level Glound - 00 % 1 151E)	lbs	15401
3	Maximum Overall Length	mm	10992
		in mm	432.8 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
	Ground to Bottom of Time at Minimum Fleight and Fork Eever	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
_	B 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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
	<u> </u>	in	84.0 4403
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
-10	Overall freight of Fork at Full Lift (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122 83.5
		<u>in</u>	
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	Oronan Gamago Maan	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (may arread)	mm	2483
15	Outside Tine 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 THERIES	in	3.5
	Tine Capacity	kg	11300
		<u>lbs</u> kg	24905 29645
	Operating Weight	lbs	65336



\*Build 14A

\*Parallel Z-Bar Linkage

\*Standard Lift Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

#### Capacity (kg)

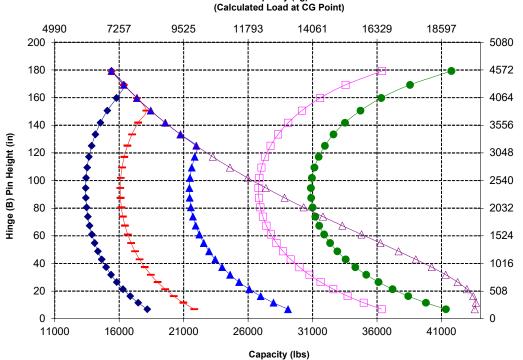


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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



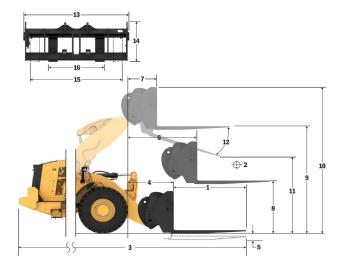
Capacity (lbs)
(Calculated Load at CG Point)

#### **Fork Specifications**

#### **Fork Specifications**

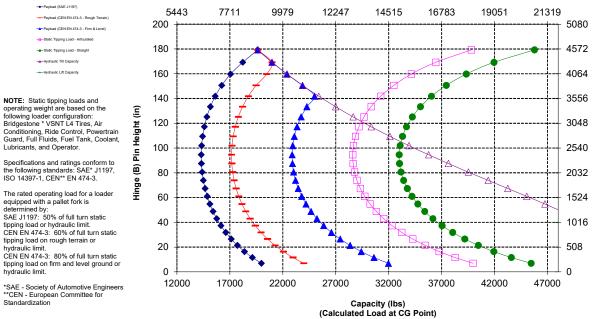
	opoomouto		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	14965
		lbs ka	32984 12974
	Static Tipping Load - Articulated (Forks Level)	lbs	28595
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6487
	Rated Load (SAE 31197 - 50% F151L)	lbs	14298
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7785
	Traited Edda (GETT ETT TO Trought Torrain GOTO TOTE)	lbs	17157
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8905 19627
_		mm	10404
3	Maximum Overall Length	in	409.6
4	Reach with Forks at Ground Level	mm	1162
4	Reach with Forks at Glound Level	in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
_	Croana to Bottom or time at minimum riolgin and ronk zover	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
_		in mm	70.7 869
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095
•	Ground to Top of Title with Arms Horizontal and Pork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
_		in	171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
		mm	2498
11	Clearance at Full Lift and Max Dump	in	98.3
42	May Discharge Angle from Herizontel		55
12	Max Discharge Angle from Horizontal	deg	
13	Overall Carriage Width	mm	2821
	g	in	111.1
14	Overall Carriage Height	mm in	1129 44.4
		mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
10	Outside Title Width (Initi Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	(9)	in	9.8
	Tine Thickness	mm in	85.0 3.3
_		ka	18700
	Tine Capacity	lbs	41215
	Operating Weight	kg	29958
	Operating weight	lbs	66026





Payload (CEN EN 474-3 - Firm & Level

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



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

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)

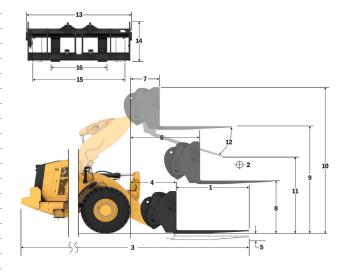
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

#### **Fork Specifications**

	ik 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	14267
	otatio ripping Load - otaligni (romo Lovor)	lbs	31445
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12355 27231
		kg	6178
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	13615
	Detect   cod (OFN EN 474 à Devect Tomoir COO) ETCT )	kg	7413
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16338
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7914
	Traica Edad (OETT ETT 474 OT IIII and Edver Ground - 00%) 1 1012)	lbs	17442
3	Maximum Overall Length	mm	10713
	· <u>v</u>	in	421.8
4	Reach with Forks at Ground Level	mm in	1166 45.9
_		mm	-99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
_	Reach with Arms Horizontal and Forks Level	mm	1796
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	Troubit with Fork at Maximum Froight	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100
	·	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4369 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 Discharge / trigle from Honzontal		
13	Overall Carriage Width	mm	2821
		in mm	111.1 1129
14	Overall Carriage Height	in	44.4
	O 1 11 T 140 H / D	mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	Outside Tille Width (Illin Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	, ,	in	9.8
	Tine Thickness	mm	90.0 3.5
_		in ka	17729
	Tine Capacity	lbs	39075
	Operating Weight	ka	30060
	Operating Weight	lbs	66251





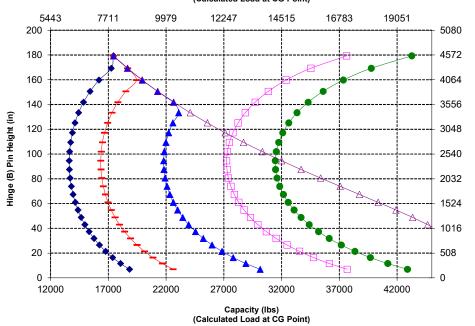
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator.

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.

Lubricants, and Operator.

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



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



hydraulic limit.

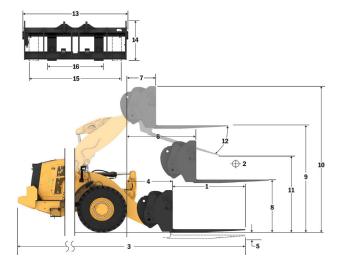
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	2438 96.0
_	1	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	13562
	otatio ripping 2000 otaligni (1 onto 2010)	lbs	29890
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11724
		kg	25839 5862
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	12920
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7034
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)	lbs	15504
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
	Trained Edita (OETT ETT TITT ATTAINED EDITATION OF OTT TOTE)	lbs	15518
3	Maximum Overall Length	mm	11021
		in mm	433.9 1170
4	Reach with Forks at Ground Level	in	46.1
_	**	mm	-98
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1801
_	Treach with Anns Honzontal and Forks Level	in	70.9
7	Reach with Fork at Maximum Height	mm	874
		in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
_		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
10	Overall neight of Fork at Full Lift (top of carnage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
	Ordan arrow at 1 am Ent and max Bamp	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in mm	111.1 1127
14	Overall Carriage Height	in	44.4
4-	O. 4-14- Ti Width (	mm	2629
15	Outside Tine Width (max spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
	Outside Tille Width (Hill Spread)	in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm in	90.0 3.5
	T 0 "	ka	15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	30211
	Operating Weight	lbs	66584





#### \*Negative values indicate below grade



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.

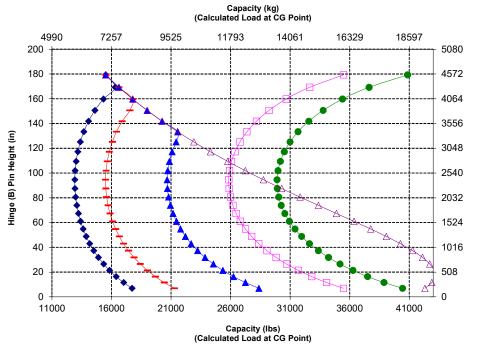
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

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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



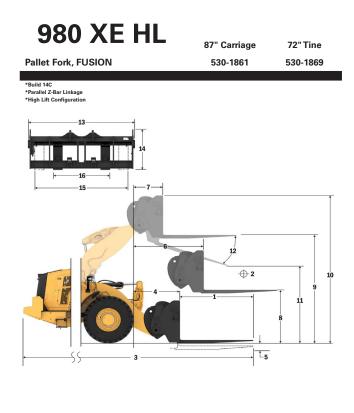


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

#### **Fork Specifications**

Foi	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 Ibs	15673 34543
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13894 30622
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6947 15311
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7970 17566
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7970 17566
3	Maximum Overall Length	mm in	10654 419.4
4	Reach with Forks at Ground Level	mm in	1407 55.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1982 78.0
7	Reach with Fork at Maximum Height	mm in	898 35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2023 79.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4512 177.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5287 208.2
11	Clearance at Full Lift and Max Dump	mm in	2842 111.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm 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	29859 65810



\*Negative values indicate below grade

#### →Payload (SAE J1197)

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

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

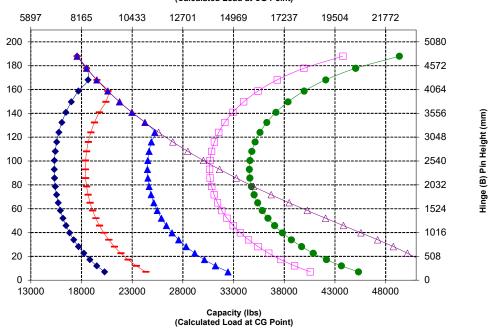
tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

\*SAE - Society of Automotive

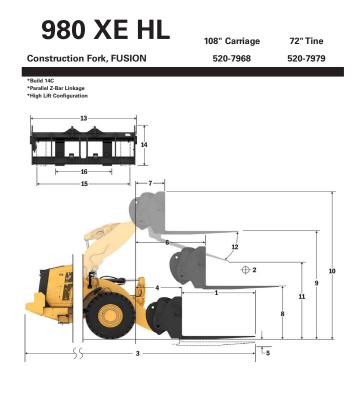
Standardization

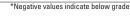
#### Capacity (kg) (Calculated Load at CG Point)



#### **Fork Specifications**

For	k Specifications		
1	Tine Length	mm	1829
	- · · · · · · · · · · · · · · · · · · ·	in mm	72.0 915
2	Load Center	in	36.0
		kg	15388
	Static Tipping Load - Straight (Forks Level)	lbs	33915
		kg	13602
	Static Tipping Load - Articulated (Forks Level)	lbs	29978
	D	kg	6801
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14989
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8161
	nated Load (CLN LIN 474-3 hough remain - 00 /0 1 131L)	lbs	17987
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8359
	Hated Load (OLIV LIV 474-3 Hilli alid Level Glodila - 00 /0 1 101L)	lbs	18422
3	Maximum Overall Length	mm	10597
	Waxiinaiii ovoraii Eorigai	in	417.2
4	Reach with Forks at Ground Level	шm	1351
•	Trouble With Forko de Ground 2010	in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	шm	-62
		in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	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
		mm	4625
9	Ground to Top of Tine at Maximum Height and Fork Level	in	182.1
	0 80 11 75 1 75 80 76 7 7 7 8	mm	5665
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	223.0
44	OI	mm	2768
11	Clearance at Full Lift and Max Dump	in	109.0
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
	Overall carriage rieight	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Catalas IIIIs Triadi (IIIak oproda)	in	97.8
16	Outside Tine Width (min spread)	шm	590
		in	23.2
	Tine Width (single tine)	шm	180.0
	• • •	in	7.1 90.0
	Tine Thickness	mm	3.5
		in kg	14800
	Tine Capacity	kg lbs	32619
		kq	30298
	Operating Weight	lbs	66777
		102	00777





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

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

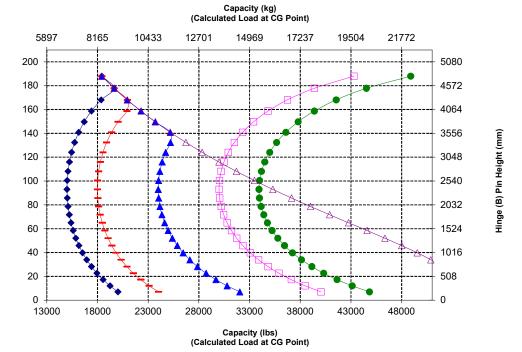
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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.

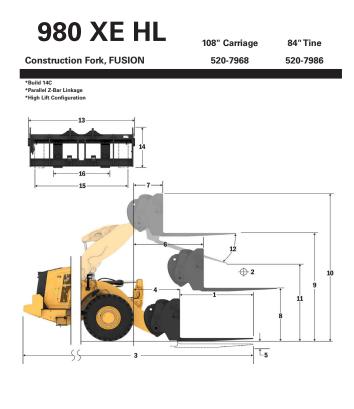
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Standardization



#### **Fork Specifications**

Foi	k Specifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg	14740
		lbs kq	32488 13022
	Static Tipping Load - Articulated (Forks Level)	lbs	28701
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6511
		lbs	14350 7467
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	16457
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7467
	nateu Luau (CEN EN 474-3 FIIII aliu Level Glouliu - 60% F131L)	lbs	16457
3	Maximum Overall Length	mm in	10902 429.2
		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
3	Ground to Bottom or time at williminum rieight and rork Level	in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm in	1970 77.5
		mm	886
7	Reach with Fork at Maximum Height	in	34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
ŏ	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
		in mm	182.1 5665
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	223.0
11	Clearance at Full Lift and Max Dump	mm	2524
		in	99.4
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm in	2833 111.5
		mm	11130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
13	Outside fille Width (Illax Spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590 23.2
	* * * *	in mm	180.0
	Tine Width (single tine)	in	7.1
	Time Thirdness	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	12700
		lbs	27991
	Operating Weight	kg Ibs	30360 66914
	_ ·	102	00314



→Payload (SAE J1197)

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

\*Negative values indicate below grade

- ▲Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight - Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

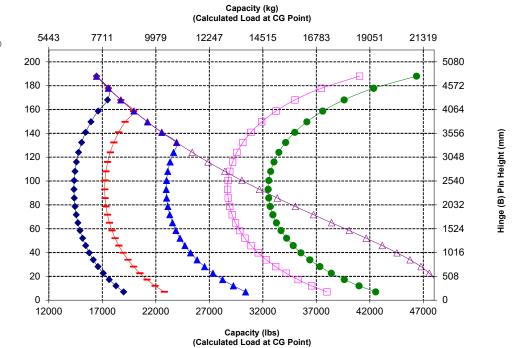
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

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

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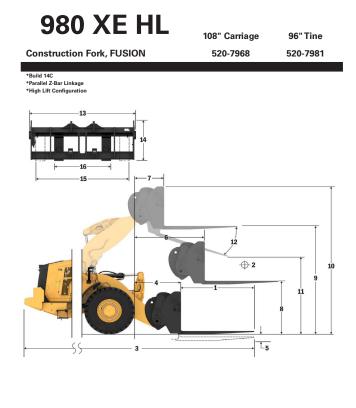
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hydraulic limit.



#### **Fork Specifications**

For	k Specifications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Celifei	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	14137 31157
	Static Tipping Load - Articulated (Forks Level)	kg	12481
	Static Tipping Load - Articulated (Forks Level)	lbs	27509
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6241 13754
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6727
	nated Load (CLIV LIV 474-3 hough remain - 00 /6 1 131L)	lbs	14826
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6727 14826
		mm	11206
3	Maximum Overall Length	in	441.2
4	Reach with Forks at Ground Level	mm	1351
	neach with rorks at Ground Level	in	53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
	B 1 24 1 1 1 1 1 1 1 1	mm	1970
6	Reach with Arms Horizontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm	886
•	Thought Will Fork at Maximum Holght	in	34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.1
_	0 1: T (T : 11 : 15 : 15 : 1	mm	4625
9	Ground to Top of Tine at Maximum Height and Fork Level	in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5665
		in mm	223.0 2280
11	Clearance at Full Lift and Max Dump	in	89.8
12	Max Discharge Angle from Horizontal	dea	53
13	Overall Carriage Width	mm	2833
13	Overall Carriage Wildli	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	outside time vitati (iiiii spread)	in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	T. TI'L	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	11300
	o capacity	lbs	24905
	Operating Weight	kg Ibs	30423 67053
	*Negative values indicate below grade	ınə	07000



→Pavload (SAE J1197)

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

- →Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight
- -∆-Hydraulic Tilt Capacity --Hydraulic Lift Capacity
- NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \*VSNT 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:

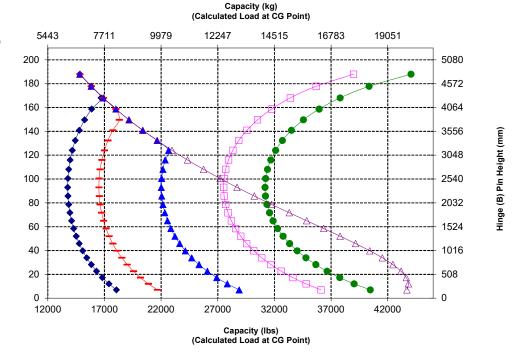
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

\*SAE - Society of Automotive Engineers

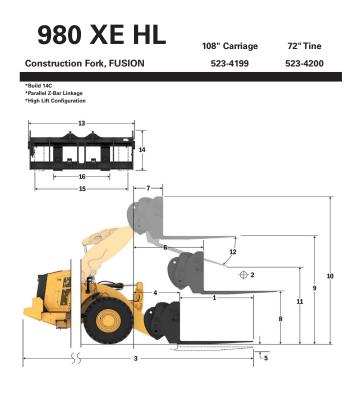
\*\*CEN - European Committee for Standardization

\*\*CEN - European Committe



#### **Fork Specifications**

For	k Specifications		
1	Tine Length	mm in	1829 72.0
	1 10 :	mm	914
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15057 33185
	Static Tipping Load - Articulated (Forks Level)	kg	13272
	Otatio hpping Load Pationation (Forks Level)	lbs	29251
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6636 14625
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7963
	· · · · · · · · · · · · · · · · · · ·	lbs	17551 8586
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	18924
3	Maximum Overall Length	mm	10616
	iviaxilliulii overali Leligui	in	418.0
4	Reach with Forks at Ground Level	mm in	1371 54.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-96
	Ground to Bottom of Time at William Height and Fork Level	in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1969 77.5
7	Reach with Fork at Maximum Height	mm	885
	neach with rork at Maximum Height	in	34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2097 82.5
	0 1: T (T (M : H:1: IF II I	mm	4586
9	Ground to Top of Tine at Maximum Height and Fork Level	in	180.5
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	2674
12		in	105.3
	Max Discharge Angle from Horizontal	deg mm	57 2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
	Overall carriage freight	in	44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm	747
	Outside fille Width (Illill Spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	kg Ibs	18700 41215
		ka	30736
	Operating Weight	lbs	67743
	*Negative values indicate below grade		



→Payload (SAE J1197)

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

- ▲Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity +Hydraulic Lift Capacity

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

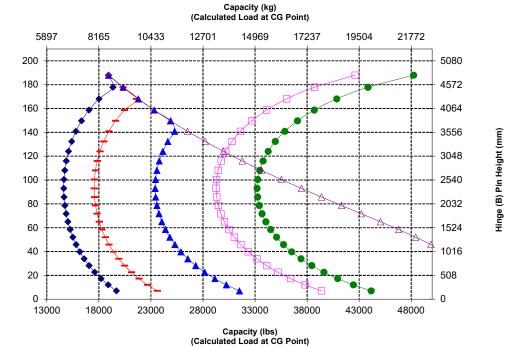
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static

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

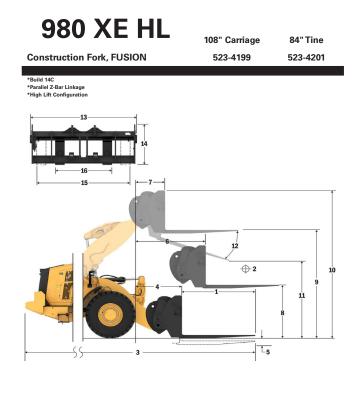
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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1	Tine Length	mm	2134
<u>'</u>	Tille Letigut	in	84.0
2	Load Center	mm	1067
_		in ka	42.0 14381
	Static Tipping Load - Straight (Forks Level)	lbs	31695
	Caraira Tirania a Land Araira da Ara	kg	12663
	Static Tipping Load - Articulated (Forks Level)	lbs	27910
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6332
		lbs kg	13955 7598
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	16746
	D	kg	7633
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	16824
3	Maximum Overall Length	mm	10924
_	Maximum over an Eongar	in	430.1 1374
4	Reach with Forks at Ground Level	mm in	54.1
_	**	mm	-96
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1969
•	Tiedeli With Athis Honzontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm in	885 34.8
		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	4591
J	Ground to Top of Time at Maximum Height and Fork Level	in	180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5630 221.6
		<u>in</u> mm	2418
11	Clearance at Full Lift and Max Dump	in	95.2
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
	Overall carriage vitati	in	111.1
14	Overall Carriage Height	mm in	1129 44.4
		mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
10	Outside Tille Widdi (IIIIII spread)	in	29.4
	Tine Width (single tine)	mm	250.0 9.8
		<u>in</u> mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
	ппе сараспу	lbs	39075
	Operating Weight	kg	30838
	*Negative values indicate below grade	lbs	67967





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

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

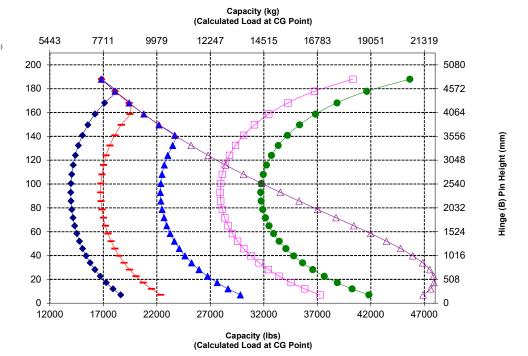
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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.

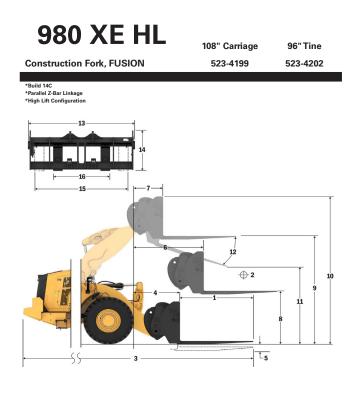
\*SAE - Society of Automotive

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# **Fork Specifications**

For	k Specifications		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0 13694
	Static Tipping Load - Straight (Forks Level)	kg Ibs	30181
	Static Tipping Load - Articulated (Forks Level)	kq	12040
	Static Tipping Load - Articulated (Forks Level)	lbs	26537
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6020 13269
		lbs kg	6791
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	14967
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6791
	nateu Luau (CEN EN 474-3 FIIII allu Level Giouliu - 00% F131L)	lbs	14967
3	Maximum Overall Length	mm	11233
		in mm	442.2 1378
4	Reach with Forks at Ground Level	in	54.2
5	*Cda- D-+at Tiat Minimum Heinka and Fli II	mm	-94
9	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1974
	TICUCII WIGI ATTIIS TICITZONIUT UNU TOTKO ECVCI	in	77.7
7	Reach with Fork at Maximum Height	mm in	890 35.0
		mm	2103
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4593
	Ground to 10p of time at waximain freight and fork Ecver	in	180.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5630 221.6
		mm	2159
11	Clearance at Full Lift and Max Dump	in	85.0
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	щm	2821
		in	111.1 1127
14	Overall Carriage Height	mm in	44.4
45	O I. T. MEDIL /	mm	2629
15	Outside Tine Width (max spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
	outside into Madi (introprodu)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	T. Ti'l	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	15750
	into oupdoity	lbs	34713
	Operating Weight	kg	30989
	*Negative values indicate below grade	lbs	68300



→Payload (SAE J1197)

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

- ▲Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight - Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

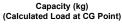
The rated operating load for a loader equipped with a pallet fork is determined by:

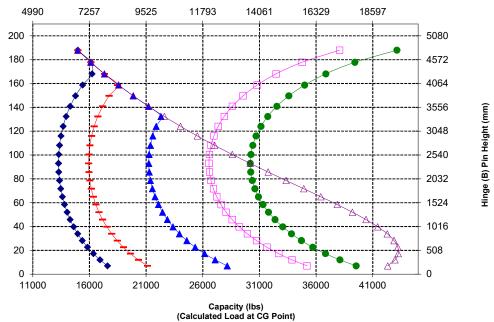
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

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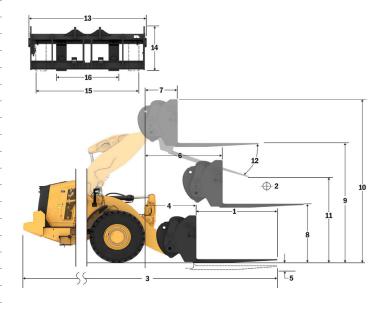
Fork Specifica	ations
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	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16622
	, , , , , , , , , , , , , , , , , , ,	lbs	36635
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	14453 31855
	D + 11	kg	7227
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15928
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8327
	Tracou Zoda (OZIT ZIT II FORTOUGH FORTAIN OOM FORZ)	lbs	18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	8327
	<u> </u>	lbs mm	18352 10445
3	Maximum Overall Length	in	411.2
4	Reach with Forks at Ground Level	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
	Ordana to Bottom of Time at William and Trought and Tork Edver	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
		in	71.2
7	Reach with Fork at Maximum Height	mm in	883 34.7
_	0 11 7 77 31 4 11 1 15 11 1	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
	Ground to Top of Time at Maximum Fleight and Fork Ecver	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in	199.5 2676
11	Clearance at Full Lift and Max Dump	mm in	105.4
	M. Di L. A. L.C. III i A. L.		
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
	Overall Carriage virgin	in	87.3
14	Overall Carriage Height	mm	840
		in mm	33.1 2070
15	Outside Tine Width (max spread)	in	81.5
40	O	mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	This Wall (single title)	in	5.9
	Tine Thickness	mm	65.0
		in ka	2.6 5246
	Tine Capacity	kg lbs	11562
	On a vating Waight	ka	29722
	Operating Weight	lbs	65507
	*Negative values indicate below grade		

 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)

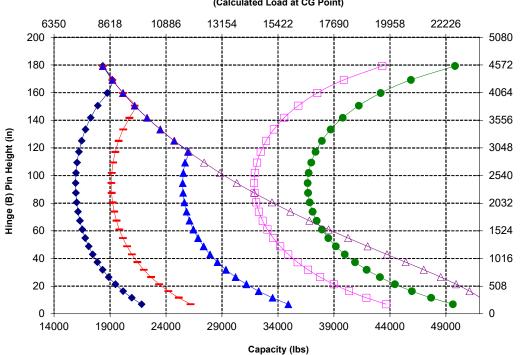


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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)

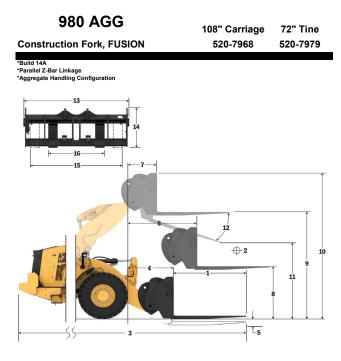
Hinge (B) Pin Height (mm)

<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 Max 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		

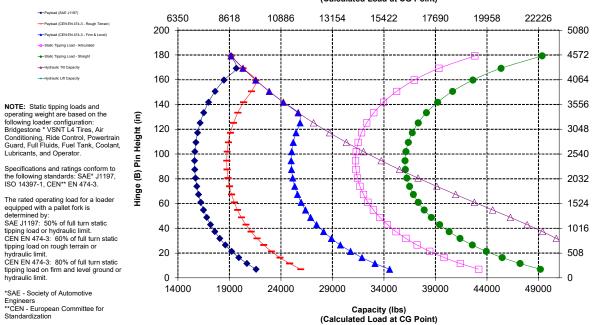


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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

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



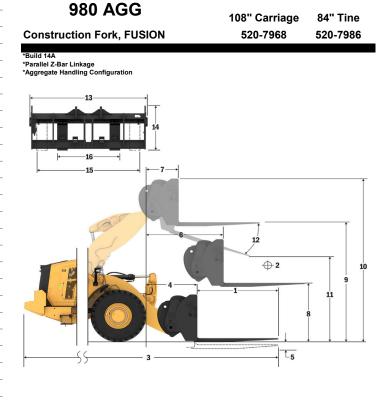


\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

Lubricants, and Operator.

## **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	15637
		lbs	34463 13546
	Static Tipping Load - Articulated (Forks Level)	kg lbs	29855
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6773
	Nateu Loau (SAE 31197 - 50% F131L)	lbs	14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7759
		lbs ka	17102 7759
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17102
3	Maximum Overall Length	mm	10692
	Iviaximum Overali Lengui	in	420.9
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
	Reacti with Affis Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
	<u> </u>	in mm	34.2 2135
8	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 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	deg	51
	max biodiaigo / figio fiorii i forizontal		
13	Overall Carriage Width	mm in	2833 111.5
	0 110 : 11:11	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	(max oproda)	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Time \Middle (ainele time)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg lbs	12700 27991
	On a ratio a Waight	kg	30223
	Operating Weight	lbs	66611



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



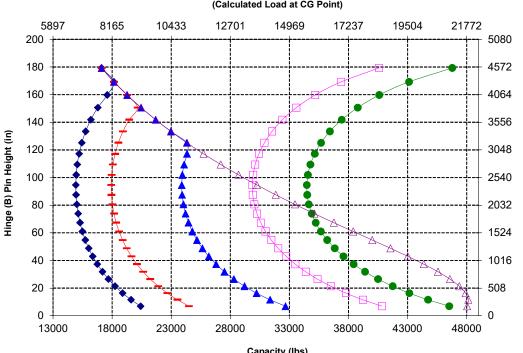
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



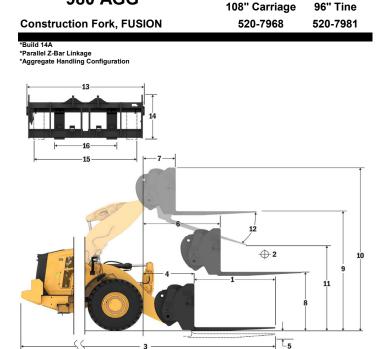
Capacity (lbs) (Calculated Load at CG Point) Hinge (B) Pin Height (mm)

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

# **Fork Specifications**

Fork	Specification	ne
LOIK	Specification	113

	. K opecinications		
1	Tine Length	mm in	2438 96.0
_	Land Carden	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
	Otatio ripping Load - Ottaight (1 Onto Lover)	lbs	33008
	Static Tipping Load - Articulated (Forks Level)	kg	12965
	· · · · · · · · · · · · · · · · · · ·	lbs	28575
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6483 14288
		kg	6988
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15401
	Detection of (OFN FN 474 0 Firm and Level County 2001/ FTOTI)	ka	6988
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15401
3	Maximum Overall Length	mm	10996
	Maximum Overali Lengui	in	432.9
4	Reach with Forks at Ground Level	mm	1141
	Trouble Mari onto at Oroana 2010	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
_		mm	2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.0
_	0 11 7 17 111 1 1111 1 1	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
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	2122
• •	Oldardio at Fall Elit and Max Bump	in	83.5
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
	O 4 11 T 187 187 4 19	mm	2483
15	Outside Tine Width (max spread)	in	97.8
46	Outside Tine Width (min spread)	mm	590
10	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	Tille Width (Single tille)	in	7.1
	Tine Thickness	mm	90.0
	1015 110501555	in	3.5
	Tine Capacity	kg	11300
		lbs	24905
	Operating Weight	kg	30286
		lbs	66750



Hinge (B) Pin Height (mm)

980 AGG

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



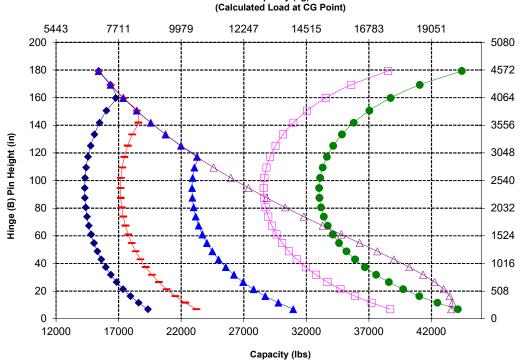


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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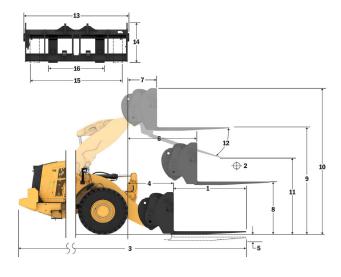
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and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

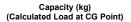
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

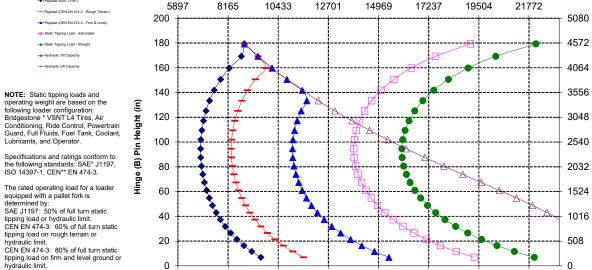


1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
_		in ka	36.0 16020
	Static Tipping Load - Straight (Forks Level)	kg lbs	35309
	Static Tipping Load - Articulated (Forks Level)	kg	13844
	Citato Tipping Load - Attioulated (1 Sike Level)	lbs	30513
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6922 15256
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8307
	Nated Load (OLIN EN 474-3 Nough Terrain - 00 /0 F131L)	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
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 in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
•	Reacti with Arms nonzonial and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
		in mm	34.2 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
		in	171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
44	Clearance at Full Lift and May Dumn	mm	2498
11	Clearance at Full Lift and Max Dump	in	98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
	0	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)	mm	250.0
	Tillo TTIGET (Single Gile)	in	9.8
	Tine Thickness	mm in	85.0 3.3
	T 0	ka	18700
	Tine Capacity	lbs	41215
	Operating Weight	kg	30599
		lbs	67440

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







28000

33000

Capacity (lbs)
(Calculated Load at CG Point)

38000

48000

\*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.

13000

18000

23000

Hinge (B) Pin Height (mm)

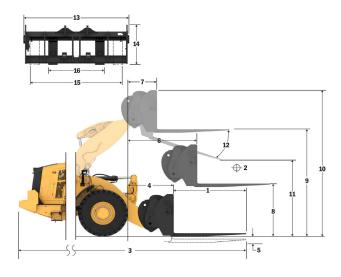
<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

Fork Specifications
---------------------

гυ	rk Specifications		
1	Tine Length	mm	2134 84.0
2	Load Center	in mm	1067
	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15281
	, , , , , , , , , , , , , , , , , , ,	lbs kg	33680 13192
	Static Tipping Load - Articulated (Forks Level)	lbs	29075
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6596
	Nated Load (SAE 31197 - 30 % F131L)	lbs	14537
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
_	,	lbs ka	17442 7914
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17442
3	Maximum Overall Length	mm	10717
	Waxiinum Overali Lengin	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
	Reach with Arms Horizontal and Porks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
_		in mm	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	2100 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
9	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	Max Discharge Angle Irom 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
	Outside Title Width (Max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747 29.4
		in mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	90.0
	THE THICKIESS	in	3.5
	Tine Capacity	kq	17729
	· · ·	lbs_ ka	39075 30701
	Operating Weight	lbs	67664
		100	0.004

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.

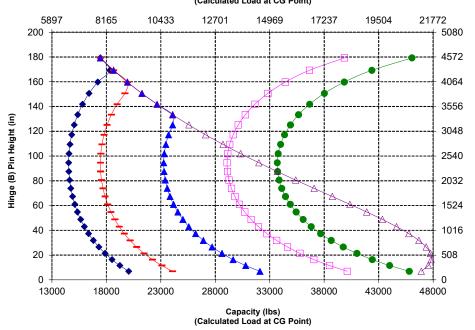
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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



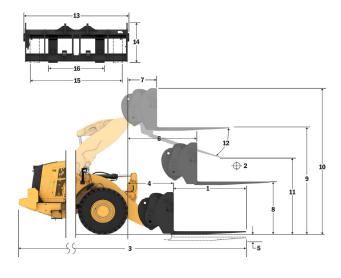


<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

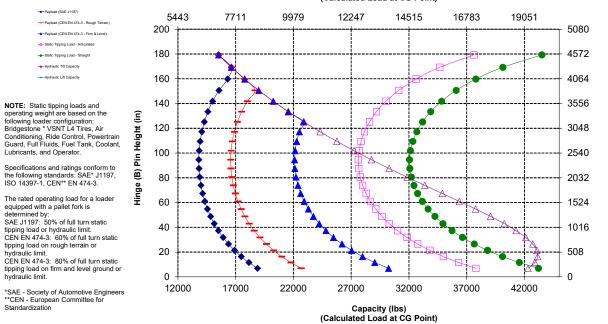
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Certier	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14537
		lbs	32041 12529
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	27614
		ka	6265
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	13807
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7041
	Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)	lbs	15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
		lbs	15518
3	Maximum Overall Length	mm	11025
	<del>-</del>	in mm	434.1 1170
4	Reach with Forks at Ground Level	in	46.1
_	todt- D-tt of Time at Minimum Height and Fedulated	mm	-98
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.8
6	Reach with Arms Horizontal and Forks Level	mm	1801
	Treach with Annis Honzontal and Forks Level	in	70.9
7	Reach with Fork at Maximum Height	mm	874
		in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
		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
10	Overall neight of Fork at Full Lift (top of carriage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
	Olearance at 1 an Ent and Max Bump	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
	O	mm	1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
	Odiside Tille Widil (Max spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
	. , ,	in	29.4 250.0
	Tine Width (single tine)	mm in	250.0 9.8
		mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	ka	15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	30852
	operating resigns	lbs	67997





-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.

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

Hinge (B) Pin Height (mm)

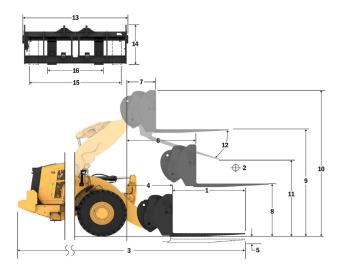
<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

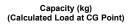
F	ork	Sr	ec	ifi	ca	tio	ns
	vin	v	,		υa	uv	113

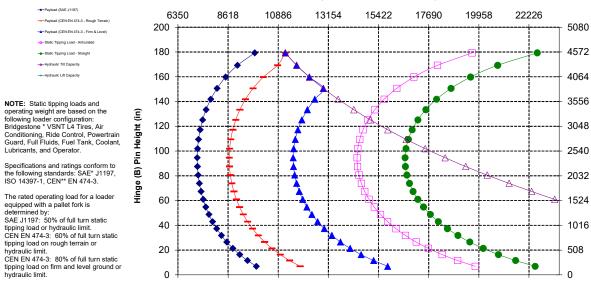
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
_	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	16621
	State ripping 25aa Statigrik (1 5rite 2576)	lbs	36633
	Static Tipping Load - Articulated (Forks Level)	kg	14453
	· · · · · · · · · · · · · · · · · · ·	lbs	31854 7226
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	15927
		ka	8672
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	19112
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	11207
	Rated Load (CEN EN 474-3 Fifth and Level Glound - 60% F151L)	lbs	24701
3	Maximum Overall Length	mm	10445
_	Waxinani Overali Edilgai	in	411.2
4	Reach with Forks at Ground Level	mm	1199
		in	47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
	<u> </u>	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
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
۰	Ground to Top of Time with Arms Horizontal and Fork Level	in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4292
_	Cround to rop or rino at maximan rioign and ronk zoroi	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676
	<u> </u>	in	105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm	2217
_	· · · •	in	87.3
14	Overall Carriage Height	mm in	840 33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
40	Outside Time Middle (sein seemed)	mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	Tille Width (single tille)	in	5.9
	Tine Thickness	mm	65.0
	***************************************	in	2.6
	Tine Capacity	kg	5246
		lbs	11562
	Operating Weight	kg Ibs	29772 65617
_		ibs	03017





Hinge (B) Pin Height (mm)





29000

34000

Capacity (lbs)
(Calculated Load at CG Point)

39000

49000

Lubricants, and Operator.

\*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.

14000

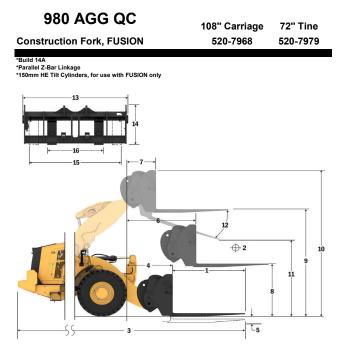
19000

24000

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

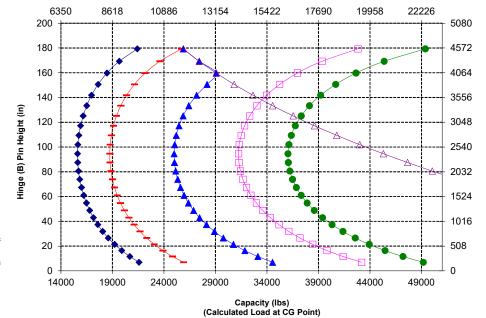
#### **Fork Specifications**

	-		
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
	Rated Load (SAE 31197 - 50% F151L)	lbs	15614
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8501
	Traited Edda (OETT ETT TO Trought Fortain Object Forte)	lbs	18737
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	11335
	,	lbs mm	24983 10387
3	Maximum Overall Length	in	408.9
_	D 1 31 E 1 10 11 1	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
<u> </u>	Ground to Bottom or Time at William Theight and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
_		in	70.7
7	Reach with Fork at Maximum Height	mm	870
_		in mm	34.2 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.0
_	Constitution of Time of Manifestory United and Foods Love I	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
	everall fleight of Fork at Fall Lint (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2597
	· '	in	102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833 111.5
	<del>-</del>	in mm	1130
14	Overall Carriage Height	in	44.5
4-	O. 4-1-1- Time \Middle (	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
		in mm	7.1 90.0
	Tine Thickness	in	3.5
	T 0 "	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)



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

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

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

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



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

Hinge (B) Pin Height (mm)

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

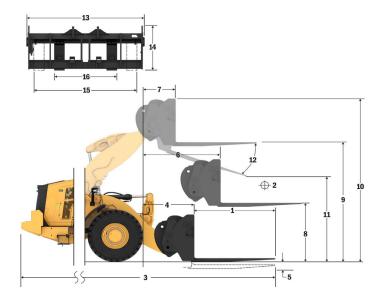
# **Fork Specifications**

#### **Fork Specifications**

	ik opecinications		
1	Tine Length	mm in	2134 84.0
_	Land Carden	mm	1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15636
	Otatic Tipping Load - Otraight (Forks Level)	lbs	34462
	Static Tipping Load - Articulated (Forks Level)	kg	13545
	··	lbs	29853
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6773
	,	lbs	14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8127 17912
		lbs	10508
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka lbs	23160
		mm	10692
3	Maximum Overall Length	in	420.9
_	D 1 21 E 1 10 11 1	mm	1141
4	Reach with Forks at Ground Level	in	44.9
-	*One and the Detterm of Time of Minimum Height and Foots Level	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
0	Reach with Arris Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
	Treach with Fork at Maximum Fleight	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	Croana to rop or time mary amortonizamana rom zoro	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	ṁш	4403
		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
12	Max Discharge Angle from Horizontal	deg	51
40	O	mm	2833
13	Overall Carriage Width	in	111.5
11	Overall Carriage Height	mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	Outside Tille Width (Max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
	Outside Time Widen (mini oprodu)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	12700
	• •	lbs	27991
	Operating Weight	kg	30273
		lbs	66721



\*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)

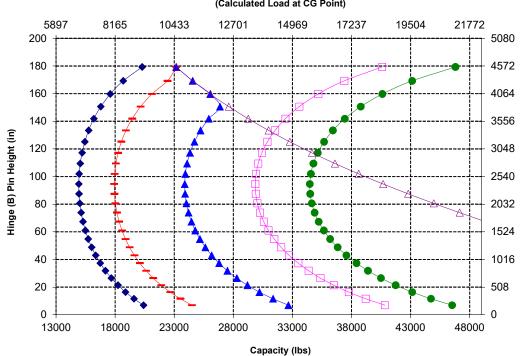


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and

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

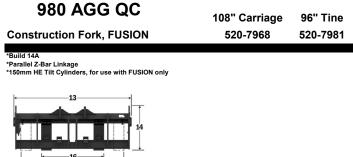
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and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

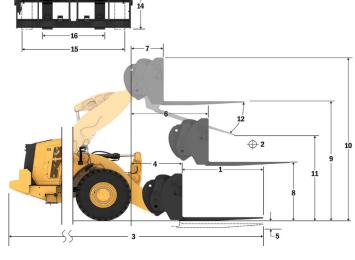
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



## **Fork Specifications**

. •	. K Opcomouncing		
1	Tine Length	mm in	2438 96.0
_	Lood Conton	mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
		lbs	33007
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12965 28574
	D + 11	kg	6482
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14287
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7779
	Traces 2000 (OZIT ZIT II FORTOUGH FORTOUGH OOM FORTOUGH	lbs	17144
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	9491 20919
		lbs mm	10996
3	Maximum Overall Length	in	432.9
4	Reach with Forks at Ground Level	mm	1141
	Neach with Lorks at Glound Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
	<u> </u>	in mm	-2.5 1797
6	Reach with Arms Horizontal and Forks Level	in	70.7
_	Describe with Frank at Marchanous Heinba	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
	Ordana to rop or rino marramo nonzonarana rom zoro.	in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 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	2122
	Occurance at 1 dil cilit and wax bump	in	83.5
12	Max Discharge Angle from Horizontal	deg	51
		mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
-14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
	- ( 1 /	in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine \Midth (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg lbs	11300 24905
	0 " W'''	kg	30336
	Operating Weight	lbs	66860





# Capacity (kg)

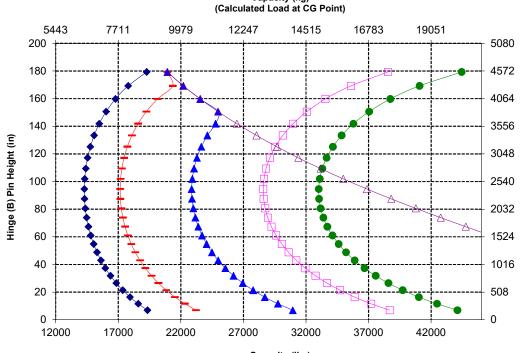


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and

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

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



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

# **Fork Specifications**

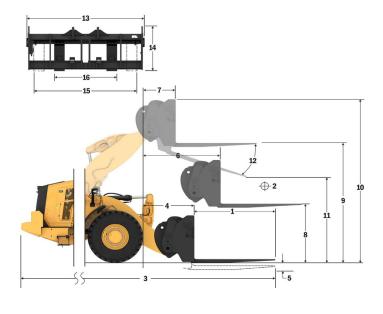
Fork Specif	ications
-------------	----------

	•		
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
	,	lbs	35307 13843
	Static Tipping Load - Articulated (Forks Level)	kg lbs	30511
	D-4-414 (OAE 14407 FOO) FTOTI \	kg	6922
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15255
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8306
	Tracea zeaa (ezir zir ii rerreagii renaii eezir rerz)	lbs	18307
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	11075 24409
	<u> </u>	lbs mm	10408
3	Maximum Overall Length	in	409.8
	Barada with Fadar at Occasional Laura	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
	Ground to Bottom or time at Minimum Fleight and Fork 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
_	0 11 7 77 31 4 11 3 11 15 11 1	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
	Ground to Top of Time at Maximum Fleight and Fork Eever	in	171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9 2498
11	Clearance at Full Lift and Max Dump	mm in	98.3
40	M 8: 1 A 1 C 11 : (1		
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
	Overall Carriage Water	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 Tine Width (min spread)	mm	747
10	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	This Trial (angle and)	in	9.8
	Tine Thickness	mm	85.0
		in ka	3.3 18700
	Tine Capacity	lbs	41215
	On a vating Majakt	ka	30649
	Operating Weight	lbs	67550
	*Negative values indicate below grade		

 980 XEAGG QC
 2x 150 mm HE Tilt Cylinders

 108" Carriage
 72" Tine

 Construction Fork, HD, FUSION
 523-4199
 523-4200



Hinge (B) Pin Height (mm)

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



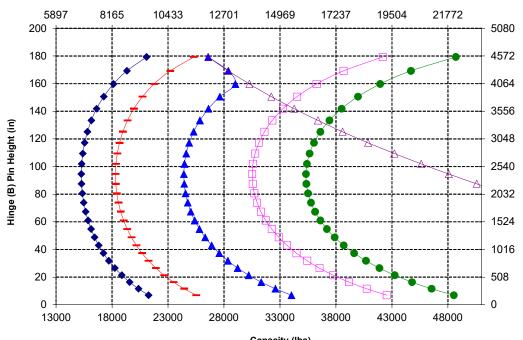
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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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

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

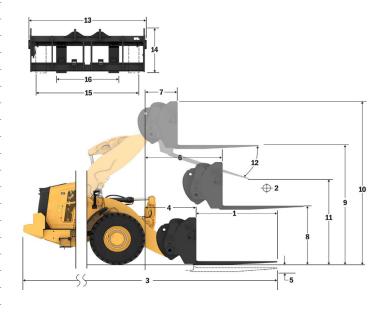


Capacity (lbs) (Calculated Load at CG Point)

## **Fork Specifications**

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Certiei	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
	Trailed Load (6/12 01107 00/01 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
	Waxiinuiii 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
	Reach with Afrits Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
		in	34.2 2100
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	82.7
9	One and the Terror of Time of Management Height and Foods Loved	mm	4369
	Ground to Top of Tine at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in	212.9
11	Clearance at Full Lift and Max Dump	mm in	2247 88.5
	M. D. I. A. I. C. III		
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
	<u> </u>	in	111.1
14	Overall Carriage Height	mm in	1129 44.4
45	Outside Time Middle (many and all)	mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	- Calciae IIII IIII (IIIII opioaa)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	T T T T T	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
	Timo Supusity	lbs	39075
	Operating Weight	kg	30751
	***	lbs	67775
	*Negative values indicate below grade		

2x 150 mm HE Tilt Cylinders 980 XE AGG QC 108" Carriage 84" Tine Construction Fork, HD, FUSION 523-4199 523-4201



Payload (CEN EN 474-3 - Rough Terrain)

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

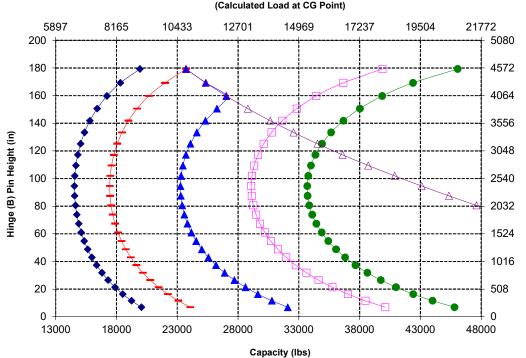


Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

Lubricants, and Operator.

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

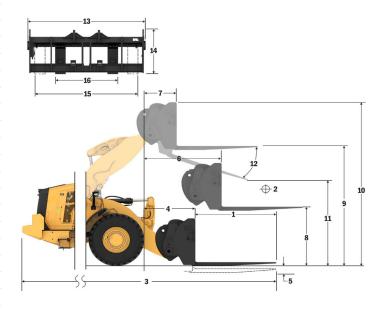
## **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Certier	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14537
		lbs kg	32039 12528
	Static Tipping Load - Articulated (Forks Level)	lbs	27612
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6264
	Trailed Load (SAL 31197 - 30 /61 131L)	lbs	13806
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7517
	,	lbs ka	16567 9628
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	21221
_	Manifestore Occasional Language	mm	11025
3	Maximum Overall Length	in	434.1
4	Reach with Forks at Ground Level	mm	1170
	Trought Will 1 Office at Ground Ecvor	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
7	Depah with Fauls at Maximum Height	mm	874
	Reach with Fork at Maximum Height	in	34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2102
		in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4370 172.1
	0 1111:11:15:11:16:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:10:11:11	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	1994
	Oldardio de l'all Elit and Max Bamp	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1127
		in	44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
	0 1 1 T 140 H / 1 D	mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
	Timo Tridai (Single timo)	in	9.8
	Tine Thickness	mm	90.0
		in kg	3.5 15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	30902
	Operating Weight	lbs	68108
	*Negative values indicate below and		

 980 XE 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)

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

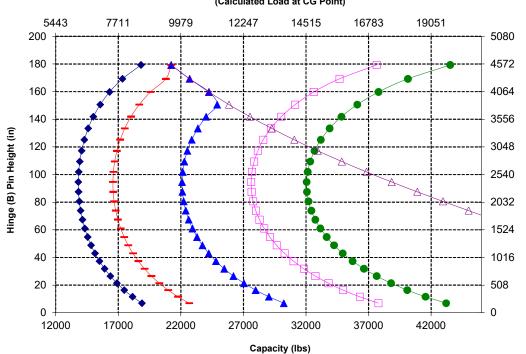


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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



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

# **Standard and Optional Equipment**

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

	Standard	Optiona
PERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	✓	
Door, remote opening system	✓	
EH implement controls, parking brake	✓	
Footrest		✓
Steering, joystick	✓	
Implement joystick (2V, 3V only)		✓
Entertainment radio (FM, AM, USB, Bluetooth®)		✓
Entertainment radio (DAB+)		✓
CB radio ready		✓
Seat, suede/cloth, air suspension, heated	✓	
Seat, leather/cloth, air suspension, heated/cooled		✓
Touchscreen display	✓	
Keypad, programmable buttons	✓	
Mirrors, heated	✓	
Air conditioner, heater, defroster (auto temp, fan)	✓	
Sun visor, front, retractable	✓	
Sun visor, rear, retractable	✓	
Windows, front, safety laminated rounded glass	✓	
Windows, front, heavy-duty, or full guards		✓
N-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	✓	

	Standard	Optional
HYDRAULICS		
Implement system, electro-hydraulic 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	✓	
Axles, AOC ready, extreme temperature seals		✓
Axles, oil cooler		✓
Transmission, continuous variable	✓	
Rimpull control	✓	
Throttle lock mode	✓	
Hill and speed hold on grade	✓	
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	✓	
Park brake, caliper on front axles, spring applied-pressure released	✓	
LECTRICAL		
Starting and charging system, 24V	✓	
Starter, electric, heavy-duty	✓	
Cold start, 120V or 240V		✓
Lights: halogen, 4 work lights, 2 rearview lights	✓	
Lights: roading with turn signals	✓	
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.

¹Subscription 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, roading		✓
Guards: powertrain, crankcase, cab, cylinders, rear		✓
Biodegradable hydraulic oil		✓
High-speed oil change system		✓
Fast fill fuel tank		✓
Single Life Cutting Edge GET		✓
Toolbox		✓

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

<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.

¹Subscription required

# 980 XE 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 <a href="https://www.caterpillar.com/en/company/sustainability">https://www.caterpillar.com/en/company/sustainability</a>.

## **Engine**

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible\* with ULSD blended with the following lower-carbon intensity fuels\*\* up to:
  - 20% biodiesel FAME (fatty acid methyl ester) \*\*\*
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to liquid) fuels

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

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

## **Air Conditioning System**

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

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a 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%
- $\text{Lead} \le 0.01\%$

## **Sound Performance**

Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	107 dB(A)

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

## **Oils and Fluids**

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

# **Features and Technology**

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
- Deep integration of continuously variable transmission, engine, hydraulic, and cooling systems
- Automatic engine idle shutdown system reduces idle hours
- Automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF), and Diesel Exhaust Fluid (DEF) tank and pump
- Autodig with Auto Set Tires provides consistent high bucket fill factors
- Payload technologies help ensure jobsite efficiency
- Extended maintenance intervals reduce fluid and filter consumption

## 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	66.66%
Iron	15.80%
Nonferrous Metal	2.18%
Mixed Metal	0.40%
Mixed-Metal and Nonmetal	0.53%
Plastic	1.06%
Rubber	8.59%
Mixed Nonmetallic	0.02%
Fluid	1.67%
Other	3.10%
Uncategorized	0.00%
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 - 98%



# 980 XE

# 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.

## **Superior Fuel Efficiency**

- · Low fuel burn for exceptional efficiency.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.
- 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.

## **Achieve Greater Productivity**

- Continuously variable transmission delivers smooth, fast acceleration and speed on grade.
- Machine maneuvering on grade is made easy with speed-hold and anti-rollback.
- Integrated continuously variable transmission provides maximum, steady power at optimal speeds.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

## **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 axles designed to handle extreme applications.
- Full-flow hydraulic filtration system with additional kidney-loop filtration improves hydraulic system reliability and component life.

## **Proven Reliability**

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

## **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**

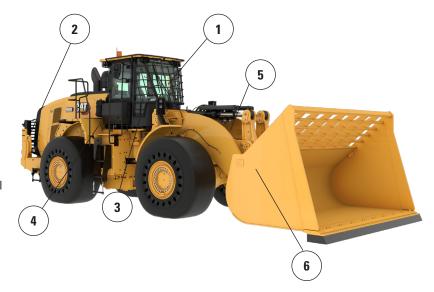
- Extended fluid and filter change intervals help to reduce maintenance costs.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.

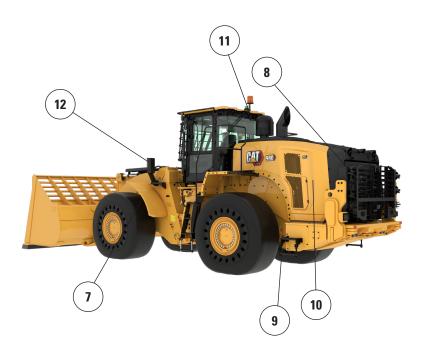
## Work in Comfort in the All New Cab

- 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.

## 980 XE Waste and Scrap Handler Features

- 1. Optional window guarding to provide impact resistance to the glass
- 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





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

# **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 hulge 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**

Tire Brand	MAXAM	MAXAM	MAXAM	MICHELIN
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L-3	L-4	L-5	L-3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm	3256 mm	3268 mm	3270 mm
	10'9"	10'9"	10'9"	10'9"
Width over Tires – Maximum (loaded)*	3290 mm	3282 mm	3304 mm	3296 mm
	10'10"	10'10"	10'11"	10'10"
Change in Vertical Dimensions (average of front and rear)	−28 mm	−42 mm	-15 mm	−49 mm
	−1.1"	−1.7"	-0.6"	−1.9"
Change in Horizontal Reach	−25 mm	-12 mm	−33 mm	−8 mm
	−1"	-0.5"	−1.3"	−0.3"
Change in Clearance Circle to Outside of Tires	60 mm	52 mm	75 mm	66 mm
	2.4"	2.1"	2.9"	2.6"
Change in Clearance Circle to Inside of Tires	−60 mm	−52 mm	−75 mm	−66 mm
	−2.4"	−2.1"	−2.9"	−2.6"
Change in Operating Weight (without Ballast)	−6300 kg	−6160 kg	−5520 kg	−6472 kg
	−13,892 lb	−13,583 lb	−12,172 lb	−14,271 lb
Change in Static Tipping Load – Straight	−4791 kg	-4685 kg	-4198 kg	-4922 kg
	−10,564 lb	-10,330 lb	-9,257 lb	-10,853 lb
Change in Static Tipping Load – Articulated	−4171 kg	-4078 kg	-3654 kg	-4284 kg
	−9,196 lb	-8,992 lb	-8,058 lb	-9,447 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm	549 mm	549 mm	549 mm
	1'10"	1'10"	1'10"	1'10"

<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		Stand	ard 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
	$yd^3$	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"
16† Dump Clearance at Maximum Lift	mm	3292	3187
and 45° Discharge	ft/in	10'9"	10'5"
17† Reach at Maximum Lift and	mm	1510	1618
45° Discharge	ft/in	4'11"	5'3"
Reach at Level Lift Arm and	mm	2994	3146
Bucket Level	ft/in	9'9"	10'3"
A† Digging Depth	mm	84	89
. 65 6 1	in	3.3"	3.5"
12† Overall Length	mm	9636	9791
	ft/in	31'8"	32'2"
<b>B</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	$m^3$	5.70	5.70	
	$yd^3$	7.50	7.50	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	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>B</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.

inkage Standard Linkage			d Linkage
Bucket Type General Purpose – Pin-C			oose – 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		Standa	ard 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
	$yd^3$	13.00	14.00
Capacity - Rated at 110% Fill Factor	$m^3$	10.90	11.80
	$yd^3$	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
16† Dump Clearance at Maximum Lift	mm	3072	2760
and 45° Discharge	ft/in	10'0"	9'0"
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"
12† Overall Length	mm	9815	10 229
	ft/in	32'3"	33'7"
<b>B</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 Lift Linkage		
Bucket Type		General Purpose – Pin-On	General Purpose – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	$m^3$	5.40	5.40	
	$yd^3$	7.00	7.00	
Capacity – Rated at 110% Fill Factor	$m^3$	5.90	5.90	
	$yd^3$	7.75	7.75	
Width	mm	3447	3447	
	ft/in	11'3"	11'3"	
6† Dump Clearance at Maximum Lift	mm	3513	3408	
and 45° Discharge	ft/in	11'6"	11'2"	
7† 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† 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 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 <sup>3</sup>	5.70	5.70	
	$yd^3$	7.50	7.50	
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	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	t 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 <sup>3</sup>	6.60	7.00	
	$yd^3$	8.75	9.25	
Width	mm	3481	3413	
	ft/in	11'5"	11'2"	
16† Dump Clearance at Maximum Lift	mm	3426	3370	
and 45° Discharge	ft/in	11'2"	11'0"	
17† Reach at Maximum Lift and	mm	1583	1636	
45° Discharge	ft/in	5'2"	5'4"	
Reach at Level Lift Arm and	mm	3267	3345	
Bucket Level	ft/in	10'8"	10'11"	
A† Digging Depth	mm	82	82	
	in	3.2"	3.2"	
12† Overall Length	mm	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	
- <del>-</del> -	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.

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<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 L	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
	$yd^3$	13.00	14.00
Capacity - Rated at 110% Fill Factor	$m^3$	10.90	11.80
	$yd^3$	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
16† Dump Clearance at Maximum Lift	mm	3292	2980 XE
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
<del>-</del>	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.

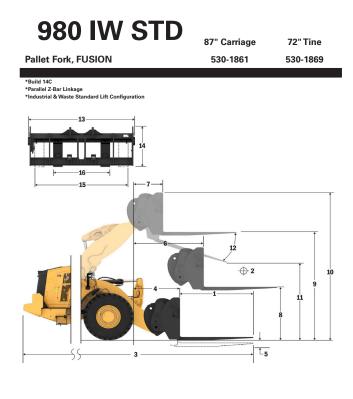
<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<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**

	c Specifications		
1	Tine Length	mm in	1830 72.0
		mm	915
2	Load Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	19698 43414
	Static Tipping Load - Articulated (Forks Level)	kg	17161
		lbs	37823 8327
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	18352
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kq	8327
	nateu Luau (CEN EN 474-3 nough ferfain - 60% F131L)	lbs	18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8327
		lbs mm	18352 10406
3	Maximum Overall Length	in	409.7
4	Reach with Forks at Ground Level	mm	1225
4	Reach with Forks at Ground Level	in	48.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-146
		<u>in</u> mm	-5.8 1839
6	Reach with Arms Horizontal and Forks Level	in	72.4
7	Danah wish Fast at Marianna Hainh	mm	913
,	Reach with Fork at Maximum Height	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2028
	·	in mm	79.8 4297
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5072
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	199.7
11	Clearance at Full Lift and Max Dump	mm in	2681 105.5
12	Max Discharge Angle from Horizontal	dea	45
		mm	2217
13	Overall Carriage Width	in	87.3
14	Overall Carriage Height	mm	840
		<u>in</u> mm	33.1 2070
15	Outside Tine Width (max spread)	in	81.5
16	O. 4-14- Ti Width (1	mm	470
10	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm in	150.0 5.9
	T. T	mm	65.0
	Tine Thickness	in	2.6
	Tine Capacity	kg	5246
	mio oupuoity	lbs	11562
	Operating Weight	kg Ibs	36158 79693
	*Negative values indicate below grade	IDS	73033



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

- ▲Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

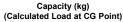
The rated operating load for a loader equipped with a pallet fork is determined by:

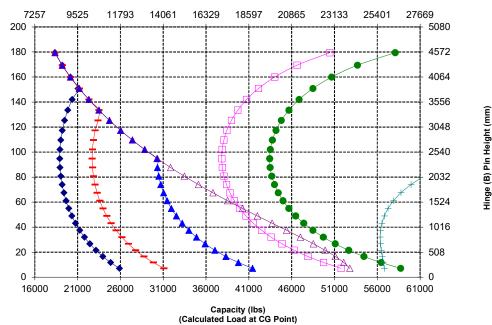
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

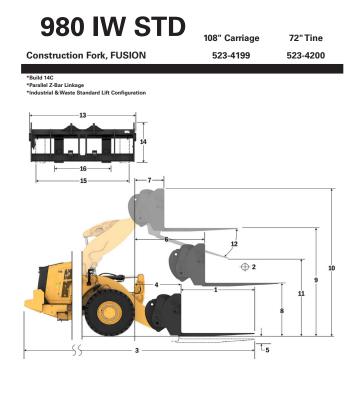
\*SAE - Society of Automotive

Standardization





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
	P . II . I/OFN FN 474 0 F: II . IO I	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 ATTIC TICHECITED EDITE TO THE ECVE	in	71.9 899
7	Reach with Fork at Maximum Height	mm in	35.4
_	O 1. T (T 21A III : . I I I I 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
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	213.1
11	Clearance at Full Lift and Max Dump	mm in	2502 98.5
12	Max Discharge Angle from Horizontal	dea	55
13	Overall Carriage Width	mm	2821
		in	111.1 1129
14	Overall Carriage Height	mm in	44.4
15	Outside Tine Width (max spread)	ш́ш	2627
		in mm	103.4 747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	T. TI.	mm	85.0
	Tine Thickness	in	3.3
	Tine Capacity	kg	18700
		lbs	41215
	Operating Weight	kg Ibs	37035 81626



\*Negative values indicate below grade

## → Payload (SAE J1197)

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

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

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

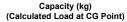
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

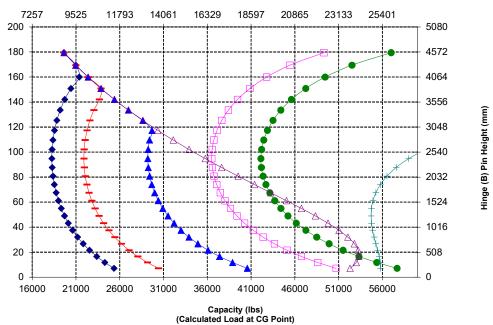
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static

tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers

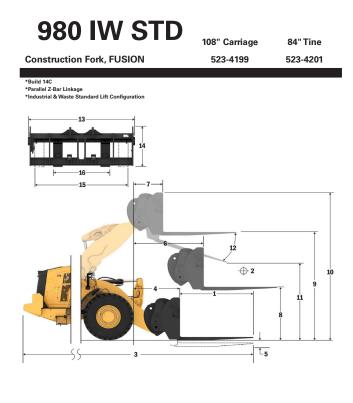
\*\*CEN - European Committee for Standardization





## **Fork Specifications**

Foi	k Specifications		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in kg	42.0 18247
	Static Tipping Load - Straight (Forks Level)	lbs	40217
	Static Tipping Load - Articulated (Forks Level)	kg	15803
	Static ripping Load - Articulated (Forks Level)	lbs	34830
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7902
		lbs	17415 7914
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	17442
		kg	7914
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17442
3	Maximum Overall Length	mm	10678
<u> </u>	Maximum overali Lengui	in	420.4
4	Reach with Forks at Ground Level	mm	1193
-	Heach with Forks at Ground Level	in	47.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	шm	-95
		in	-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
_	0 1: 7 (7 3:4 11 :	mm	2104
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4373
J	dround to top of fine at Maximum freight and Fork Level	in	172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5412
		in	213.1 2252
11	Clearance at Full Lift and Max Dump	mm in	88.6
12	Max Discharge Angle from Horizontal	dea	55
		mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
	Outside Tille Widel (Max Spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
		in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
		mm	90.0
	Tine Thickness	in	3.5
	T 0 %	kg	17729
	Tine Capacity	lbs	39075
	Operating Weight	kg	37137
	Operating weight	lbs	81851



\*Negative values indicate below grade

#### →Payload (SAE J1197)

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

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

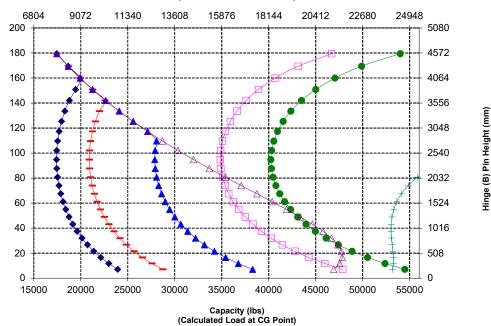
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

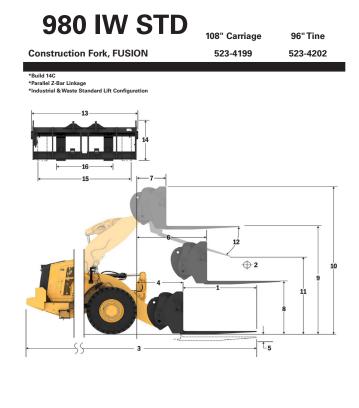
\*SAE - Society of Automotive

Standardization

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



1	Tine Length	mm	2438
<u>'</u>	Tille Letigui	in	96.0
2	Load Center	mm	1219
		in kg	48.0 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
	· · · · · · · · · · · · · · · · · · ·	lbs kg	15518 7041
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
	Rated Load (CEN EN 474-3 FIRM and Level Ground - 80% F151L)	lbs	15518
3	Maximum Overall Length	mm	10986
_		in	432.5 1197
4	Reach with Forks at Ground Level	mm in	47.1
-	*O 1. D. (T. (M): 11:11. 15:11. 1	mm	-93
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1831
_	Ticachi Wildi Airiis Tichizontai ana Forks Ecver	in	72.1 904
7	Reach with Fork at Maximum Height	mm in	35.6
_		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
,	Ground to Top of Time at Maximum Height and Fork Level	in	172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
_		mm	1998
11	Clearance at Full Lift and Max Dump	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 in	1127 44.4
		mm	2629
15	Outside Tine Width (max spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
10	Outside Title Width (Illin Spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
		mm	90.0
	Tine Thickness	in	3.5
	Tine Conseits	kg	15750
	Tine Capacity	lbs	34713
	Operating Weight	kg	37288
	*Negative values indicate below grade	lbs	82184



→Pavload (SAE J1197)

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

- →Payload (CEN EN 474-3 Firm & Level) -Static Tipping Load - Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- -- Hydraulic Lift Capacity

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

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

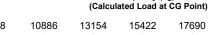
The rated operating load for a loader equipped with a pallet fork is determined by:

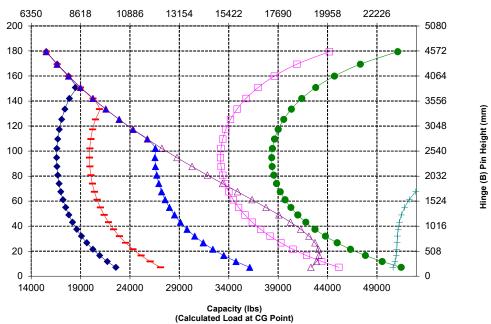
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

\*SAE - Society of Automotive Engineers

Standardization

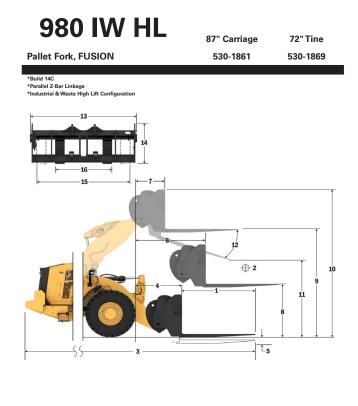




Capacity (kg)

# **Fork Specifications**

Foi	k Specifications		
1	Tine Length	ŵш	1830
		in	72.0 915
2	Load Center	mm in	36.0
		ka	18618
	Static Tipping Load - Straight (Forks Level)	lbs	41035
		ka	16537
	Static Tipping Load - Articulated (Forks Level)	lbs	36447
	D	kg	7970
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	17566
	D-4-414/CEN EN 474 2 D-11-6 T-11-11 (00% FTCTI)	kg	7970
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	17566
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7970
	nateu Luau (CEN EN 474-3 FIIII aliu Level Grounu - 60% F131L)	lbs	17566
3	Maximum Overall Length	mm	10615
<u> </u>	Waxiiilaiii Overaii Leiigai	in	417.9
4	Reach with Forks at Ground Level	mm	1434
*	neach with Lorks at ground rever	in	56.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-145
	Ground to Bottom or time at willimman riorgin and rork Ecver	in	-5.7
6	Reach with Arms Horizontal and Forks Level	mm	2012
	Trough With Arms Honzontal and Forks Edver	in	79.2
7	Reach with Fork at Maximum Height	mm	928
	Todon Will Fork at maximum morgin	in	36.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	ŵш	2028
	Ordana to Top or Timo With Almo Horizontal and Fork Edvor	in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4517
		in	177.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5292 208.3
		in	2846
11	Clearance at Full Lift and Max Dump	mm in	112.1
12	Max Discharge Angle from Horizontal	dea	47
	· · · · · · · · · · · · · · · · · · ·	mm	2217
13	Overall Carriage Width	in	87.3
		mm	840
14	Overall Carriage Height	in	33.1
		mm	2070
15	Outside Tine Width (max spread)	in	81.5
	0	mm	470
16	Outside Tine Width (min spread)	in	18.5
	T MORAL COLOR	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
	line inickness	in	2.6
	Tine Capacity	kg	5246
	Title Capacity	Ibs	11562
	Operating Weight	kg	36296
	. • •	lbs	79996



\*Negative values indicate below grade

#### →Payload (SAE J1197)

- Payload (CEN EN 474-3 Rough Terrain)
- →Payload (CEN EN 474-3 Firm & Level)
- ⊕ Static Tipping Load Articulated◆ Static Tipping Load Straight
- Static Tipping Load Straig
   Hydraulic Tilt Capacity
- Hydraulic Tilt Capacity

   Hydraulic Lift Capacity

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.

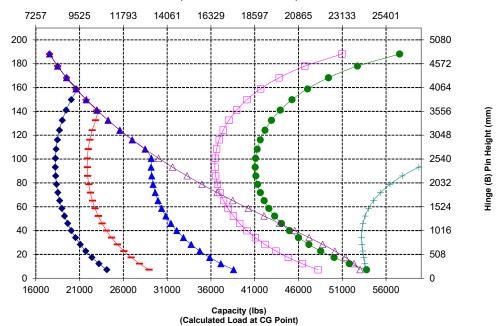
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static

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

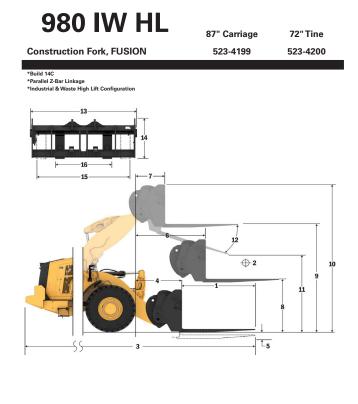
\*SAE - Society of Automotive Engineers

\*\*CEN - European Committee for Standardization

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



Foi	k Specifications		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
		in kg	36.0 18010
	Static Tipping Load - Straight (Forks Level)	lbs	39694
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15921 35090
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7961 17545
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8586 18924
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8586 18924
3	Maximum Overall Length	mm	10577
J	waxiiiaiii Overali Leligiii	in	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	1999 78.7
		in 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 in	2101 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4590
	0	in mm	180.7 5634
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.8
11	Clearance at Full Lift and Max Dump	mm in	2678 105.4
12	Max Discharge Angle from Horizontal	dea	57
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 in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	T MODEL CO.	mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
		in kg	3.3 18700
	Tine Capacity	lbs	41215
	Operating Weight	kg	37173
	Operaung weight	lbs	81929



\*Negative values indicate below grade



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

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

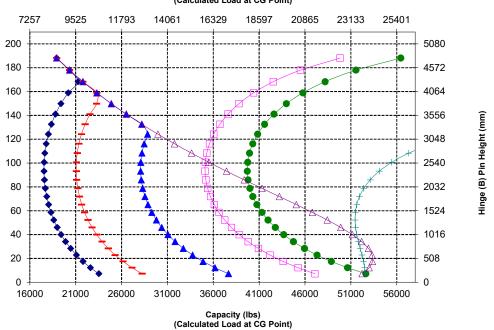
tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

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

\*SAE - Society of Automotive

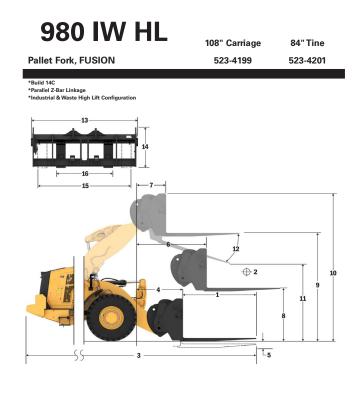
Standardization

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



## **Fork Specifications**

For	k Specifications		
1	Tine Length	mm	2134
		<u>in</u> mm	84.0 1067
2	Load Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	17225
	Ottate hpping code Oddight (Forks cover)	lbs	37964
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15216 33537
	D. II. I/OAF MACE FOW FTOTIA	kg	7608
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	16768
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7633
		lbs	16824 7633
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	16824
_	M : 0 III II	mm	10885
3	Maximum Overall Length	in	428.6
4	Reach with Forks at Ground Level	mm	1401
		in	55.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-91 -3.6
	B 1 2 4 1 1 1 1 1 1 1 1	mm	1999
6	Reach with Arms Horizontal and Forks Level	in	78.7
7	Reach with Fork at Maximum Height	mm	915
	Ticucii Widi i oik at Waxiiiaiii Ticigiit	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2106 82.9
_	0 1: T (T : 11 : 15 : 15 : 15 : 15 : 15 : 15 : 1	mm	4595
9	Ground to Top of Tine at Maximum Height and Fork Level	in	180.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5634
	O TOTAL HOLGHE OF TOTAL CET ALL ELECTROP OF CANNAGO TO GROWING	in	221.8 2422
11	Clearance at Full Lift and Max Dump	mm in	95.4
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	1129 44.4
		in mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
10	Outside fille Width (fillif spread)	in	29.4
	Tine Width (single tine)	mm	250.0
		in mm	9.8 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
	Title Gapacity	lbs	39075
	Operating Weight	kg	37275
	*Negative values indicate below grade	lbs	82154



→Payload (SAE J1197)

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

- ▲Payload (CEN EN 474-3 Firm & Level)
- -Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- +Hydraulic Lift Capacity

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

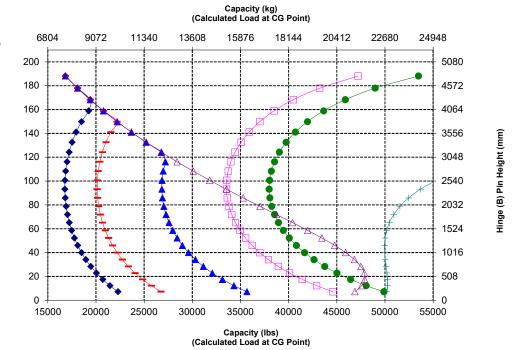
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

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

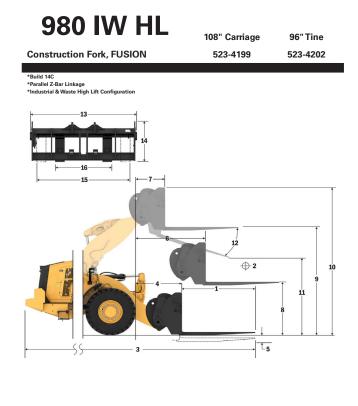
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive

Standardization



1	Tine Length	mm	2438
-		in	96.0
2	Load Center	mm in	1219 48.0
	O. C. T	ka	16436
	Static Tipping Load - Straight (Forks Level)	lbs	36225
	Static Tipping Load - Articulated (Forks Level)	kg	14502
		lbs	31962 6791
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	14967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6791
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	14967
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6791
		lbs	14967
3	Maximum Overall Length	mm in	11194 440.7
_	B 1 315 1 10 11 1	mm	1405
4	Reach with Forks at Ground Level	in	55.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-89
_	Ground to Dottom or time at william rieight and rork 2000	in	-3.5
6	Reach with Arms Horizontal and Forks Level	mm in	2004 78.9
_		mm	920
7	Reach with Fork at Maximum Height	in	36.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2108
0	dround to top of fine with Afrits florizontal and fork Level	in	83.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4597
_		in mm	181.0 5634
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.8
11	Clearance at Full Lift and Max Dump	mm	2163
	· · · · · · · · · · · · · · · · · · ·	in	85.2
12	Max Discharge Angle from Horizontal	deg	57_
13	Overall Carriage Width	mm in	2821 111.1
		mm	111.1
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2629
10	Outside Tille Widdi (Max Spread)	in	103.5
16	Outside Tine Width (min spread)	mm	747
		in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	T 711	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	15750
	inio oupuony	lbs	34713
	Operating Weight	kg Ibs	37426 82487
	*Negative values indicate below grade	IDS	0248/





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

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

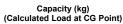
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or

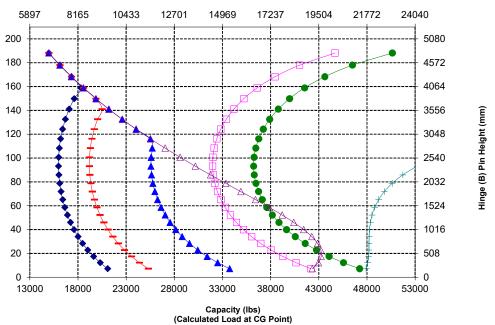
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive

hydraulic limit.

Standardization







# 980 XE

# Forestry Machine

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

## **Superior Fuel Efficiency**

- Low fuel burn for exceptional efficiency.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

# **Achieve Greater Productivity**

- Forestry package includes additional counterweight, heavier rear frame, larger tilt cylinders, and shorter tilt links 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 3<sup>rd</sup> valve auxiliary hydraulics to control work tools requiring the additional function.
- Continuously variable transmission delivers smooth, fast acceleration and speed on grade.
- Machine maneuvering on grade is made easy with speed-hold and anti-rollback.
- Integrated continuously variable transmission provides maximum, steady power at optimal speeds.
- Lower rated engine speed reduces component wear and operating noise
- Power dense engine burns less fuel by providing power and torque when needed.

## **Proven Reliability**

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

## **Durability**

- Heavy-duty axles designed to handle extreme applications.
- Full-flow hydraulic filtration system with additional kidney-loop filtration improves hydraulic system reliability and component life.

## **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 helps 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.
- Integrated Autolube extends component and service life.
- One-piece tilting hood makes engine compartment access fast and easy.

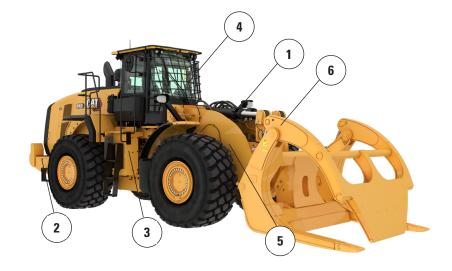
## Work in Comfort in the All New Cab

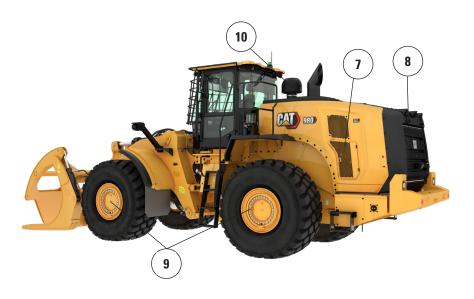
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and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

# **980 XE Forestry Machine Specifications**

# 980 XE XE 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. Optional window guarding to provide impact resistance to the glass
- 4. Optional 3<sup>rd</sup> function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
- 5. Wide range of millyard work tools





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

# **980 XE Forestry Machine Specifications**

# **Tire Options**

Tire Brand	Bridgestone	Michelin	Bridgestone	Michelin	Maxam	Maxam
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25
Tread Type	L–4	L-4	L-3	L-3	L-3	L-4
Tread Pattern	VSNT	XLDD1	VJT	XHA2	MS302	MS405DX
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"	3270 mm 10'9"	3256 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"	3290 mm 10'10"	3282 mm 10'10"
Change in Vertical Dimensions		–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"

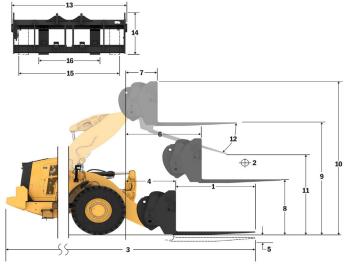
 $<sup>{}^*\!</sup>W$ idth over tire bulge and includes tire growth.

#### Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in ka	48.0 15352
	Static Tipping Load - Straight (Forks Level)	kg lbs	33835
	Static Tipping Load - Articulated (Forks Level)	kg	13533
	Static Tipping Load - Articulated (Forks Lever)	lbs	29826
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6766
		lbs kg	14913 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
	Trated Load (CLIV LIV 474-31 IIIII and Level Gloding - 60% 1 131L)	lbs	23861
3	Maximum Overall Length	mm	11174
	•	in mm	439.9 1318
4	Reach with Forks at Ground Level	in	51.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-143
3	Ground to Bottom or Time at Millimum Height and Fork Level	in	-5.6
6	Reach with Arms Horizontal and Forks Level	mm	1840
		in mm	72.4 913
7	Reach with Fork at Maximum Height	in	35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2169
-	Ground to Top of Title with Arms Horizontal and Fork Level	in	85.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4438 174.7
		mm	5810
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	228.7
11	Clearance at Full Lift and Max Dump	mm	2165
•••	Olouranoe at 1 an Ent and Max Bump	in	85.3
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
_	<u> </u>	mm	1575
14	Overall Carriage Height	in	62.0
15	Outside Tine Width (max spread)	mm	2671
10	Outside Tille Width (Max spread)	in	105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
		mm	88.9
	Tine Width (single tine)	in	3.5
	Tine Thickness	mm	203.2
	THE HIGHESS	in	8.0
	Tine Capacity	kg	11068
		lbs ka	24393 31500
	Operating Weight	lbs	69426
			,

**980 LOG**Pallet, Pin-ON

96" Tine
473-9104



\*Negative values indicate below grade

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



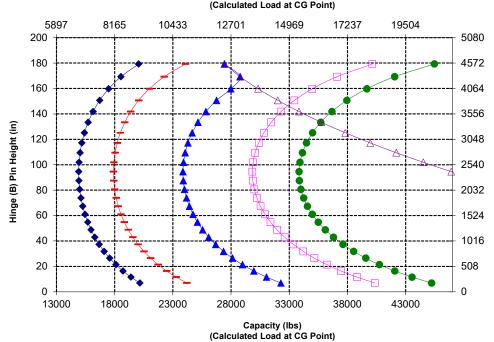
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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 CEN EN 474-3: 80% of full turn static

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

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





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

Hinge (B) Pin Height (mm)

# 980 XE Forestry Machine Specifications

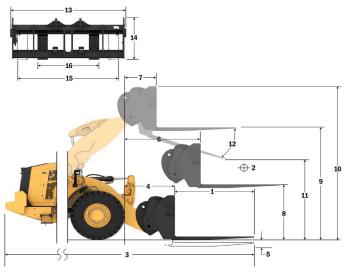
# **Fork Specifications**

Fork Specificati	ons
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Time Length		•		
2   Load Center	1	Tine Length		1829 72.0
Static Tipping Load - Straight (Forks Level)   Rq 16872   Static Tipping Load - Articulated (Forks Level)   Rq 37197   Static Tipping Load - Articulated (Forks Level)   Rq 37197   Static Tipping Load - Articulated (Forks Level)   Rq 7452   System   Rated Load (SAE J1197 - 50% FTSTL)   Rq 7452   Ibs 16424   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rq 11973   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq 11973   Se279   Spansor	2	Load Center	mm	914
Static Tipping Load - Straight (Forks Level)   bis   37187		LOUG COINCI		
Static Tipping Load - Articulated (Forks Level)   Ibs   32849     Rated Load (SAE J1197 - 50% FTSTL)   Kq   7452     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Kg   8943     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Kg   19708     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Kg   19708     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Kg   19238     Sammur Overall Length   In   416.1     4 Reach with Forks at Ground Level   In   416.1     5 *Ground to Bottom of Tine at Minimum Height and Fork Level   In   -5.9     6 Reach with Arms Horizontal and Forks Level   In   72.4     7 Reach with Fork at Maximum Height   In   35.9     8 Ground to Top of Tine with Arms Horizontal and Fork Level   In   72.4     9 Ground to Top of Tine at Maximum Height and Fork Level   In   72.4     10 Overall Height of Fork at Full Lift (top of carriage to ground)   In   288.7     11 Clearance at Full Lift and Max Dump   In   102.7     12 Max Discharge Angle from Horizontal   deg   47     13 Overall Carriage Width   In   2751     14 Overall Carriage Height   In   108.3     15 Outside Tine Width (max spread)   In   33.4     Tine Width (single tine)   In   35.5     Tine Capacity   Kg   31268     Concepting Weight   Conce		Static Tipping Load - Straight (Forks Level)		
Rated Load (SAE J1197 - 50% FTSTL)		Static Tinning Load - Articulated (Forks Level)	kg	14904
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   16424     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   19708     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   26278     3   Maximum Overall Length   Im   416.1     4   Reach with Forks at Ground Level   Im   52.1     5   *Ground to Bottom of Tine at Minimum Height and Fork Level   Im   52.1     6   Reach with Arms Horizontal and Forks Level   Im   7.2.4     7   Reach with Fork at Maximum Height   Im   7.2.4     8   Ground to Top of Tine with Arms Horizontal and Fork Level   Im   3.5.9     9   Ground to Top of Tine at Maximum Height and Fork Level   Im   85.2     10   Overall Height of Fork at Full Lift (top of carriage to ground)   Im   228.7     11   Clearance at Full Lift and Max Dump   Im   2507     12   Max Discharge Angle from Horizontal   deg   47     13   Overall Carriage Width   Im   2751   Im   108.1     14   Overall Carriage Height   Im   8.2.3     15   Outside Tine Width (max spread)   Im   8.4.1     16   Outside Tine Width (min spread)   Im   8.3.5     17   Tine Width (single tine)   Im   8.3.5     18   Tine Capacity   Im   20.3.2     19   Operating Weight   Im   20.3.2     10   Operating Weight   Im   20.3.2     11   Operating Weight   Im   8.3.5     12   Operating Weight   Im   8.3.5     13   Operating Weight   Im   8.3.5     14   Operating Weight   Im   8.3.5     15   Operating Weight   Im   8.3.5     16   Operating Weight   Im   8.3.5     17   Operating Weight   Im   19.3.5     18   Operating Weight   Im   19.3.5     18   Operating Weight   Im   19.3.5     19   Operating Weight   Im   19.3.5     10   Operating Weight   Im   19.3.5     11   Operating Weight   Im   19.3.5     12   Operating Weight   Im   19.3.5     13   Operating Weight   Im   19.3.5     14   Operating Weight   Im   19.3.5     15   Operating Weight   Im   19.3.5     16   Oper		Otatio Tipping Load Tritionated (Folio Lovel)		32849
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg 8943 19708           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kg 1923 1982 1982 26279           3 Maximum Overall Length         mm 10568 in 4416.1           4 Reach with Forks at Ground Level         mm 1322 in 52.1           5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm -149 in -59.9           6 Reach with Arms Horizontal and Forks Level         mm 1840 in 72.4           7 Reach with Fork at Maximum Height         mm 913           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 2163 in 85.2           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 4322 in 85.1           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 2607 in 228.7           11 Clearance at Full Lift and Max Dump         5810 in 228.7           12 Max Discharge Angle from Horizontal         deg 47           13 Overall Carriage Width         mm 2751 in 108.1           14 Overall Carriage Height         mm 15810 in 108.3           15 Outside Tine Width (max spread)         mm 8.9           16 Outside Tine Width (min spread)         mm 8.0           17 Ine Width (single tine)         mm 8.0           18 Outside Tine Width (min spread)         mm 8.0           18 Outside Tine Width (min spread)         mm 8.0 <th></th> <td>Rated Load (SAE J1197 - 50% FTSTL)</td> <td></td> <td></td>		Rated Load (SAE J1197 - 50% FTSTL)		
Rated Load (CEN EN 474-5 Rough Terrain - 00% FTSTL)   Ibs   19708   Rated Load (CEN EN 474-5 Rough Terrain - 00% FTSTL)   Ibs   19708   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   26279   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   26279   Reach with Forks at Ground Level   In   52.1   Ibs   5 *Ground to Bottom of Tine at Minimum Height and Fork Level   In   5.5		Data di Land (OEN EN 474 O Daniel Tamaira 200/ ETOTI)		
Section		Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)		19709
3         Maximum Overall Length         mm         10588           4         Reach with Forks at Ground Level         mm         1322           5         *Ground to Bottom of Tine at Minimum Height and Fork Level         mm         -149           6         Reach with Arms Horizontal and Forks Level         mm         180           7         Reach with Fork at Maximum Height         mm         913           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         2163           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         432           9         Ground to Top of Tine at Maximum Height and Fork Level         in         774.5           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         581           11         Clearance at Full Lift and Max Dump         mm         2807           12         Max Discharge Angle from Horizontal         deg         47           13         Overall Carriage Width         mm         2751           14         Overall Carriage Height         mm         283           15         Outside Tine Width (max spread)         mm         823           16         Outside Tine Width (min spread)         mm		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		
Maximum Overall Length		,		
4         Reach with Forks at Ground Level         mm         1322           5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm         -149           6         Reach with Arms Horizontal and Forks Level         mm         180           7         Reach with Fork at Maximum Height         mm         2163           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         2163           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         4432           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         4852           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         5810           11         Clearance at Full Lift and Max Dump         mm         2807           12         Max Discharge Angle from Horizontal         deg         47           13         Overall Carriage Width         mm         2751           14         Overall Carriage Height         mm         263           15         Outside Tine Width (max spread)         mm         263           16         Outside Tine Width (min spread)         mm         849           1ine Width (single tine)         mm         80	3	Maximum Overall Length		
1	_	Booch with Forks at Cround Lovel		
6 Reach with Arms Horizontal and Forks Level   in   5.9     7 Reach with Fork at Maximum Height   in   72.4     7 Reach with Fork at Maximum Height   in   35.9     8 Ground to Top of Tine with Arms Horizontal and Fork Level   in   35.9     9 Ground to Top of Tine at Maximum Height and Fork Level   in   35.2     10 Overall Height of Fork at Full Lift (top of carriage to ground)   in   228.7     11 Clearance at Full Lift and Max Dump   in   102.7     12 Max Discharge Angle from Horizontal   deg   47     13 Overall Carriage Width   in   108.3     14 Overall Carriage Height   in   108.1     15 Outside Tine Width (max spread)   in   35.4     16 Outside Tine Width (min spread)   in   35.4     17 Ine Width (single tine)   in   3.5     18 Tine Capacity   light   34.4     19 Operating Weight   light   34.4     19 Operating Weight   light   34.4     19 Operating Weight   light   34.4     10 Operating Weight   light   34.4     11 Operating Weight   light   34.4     12 Operating Weight   light   34.4     13 Operating Weight   light   34.4     14 Operating Weight   light   34.4     15 Operating Weight   light   34.4     16 Operating Weight   light   34.4     17 Operating Weight   light   34.4     18 Operating Weight   light   light   34.4     18 Operating Weight   light   light   light   34.4     18 Operating Weight   light   lig	-4	Reach with Forks at Glound Level		
1	5	*Ground to Bottom of Tine at Minimum Height and Fork Level		
6         Reach with Arms Horizontal and Forks Level         in 72.4 mm         72.4 mm         913 mm         913 mm         913 mm         93.5 gmm         8.5 gmm         2163 mm         2162 mm         2163 mm         235 mm         235 mm         235 mm         235 mm         236 mm         236 mm         236 mm         237				
7         Reach with Fork at Maximum Height         mm 913 35.9 1 35.9           8         Ground to Top of Tine with Arms Horizontal and Fork Level in 85.2 1 1 1 85.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6	Reach with Arms Horizontal and Forks Level		
8   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   2163   in   85.2       9   Ground to Top of Tine at Maximum Height and Fork Level   in   174.5       10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   5810   in   228.7     11   Clearance at Full Lift and Max Dump   mm   2607   in   102.7     12   Max Discharge Angle from Horizontal   deg   47       13   Overall Carriage Width   mm   2751   in   108.3       14   Overall Carriage Height   mm   1581   in   62.3       15   Outside Tine Width (max spread)   mm   849       16   Outside Tine Width (min spread)   mm   849       17   Tine Width (single tine)   mm   88.9       18   Tine Width (single tine)   mm   88.9       19   Tine Thickness   mm   203.2       10   Tine Capacity   kg   14742   lbs   3.249       11   Onerating Weight   kg   31268       12   Onerating Weight   kg   31268       13   Onerating Weight   kg   31268       10   Onerating Weight   kg   31268       10   Onerating Weight   kg   31268       10   Onerating Weight   kg   31268       11   Onerating Weight   kg   31268       12   Onerating Weight   kg   31268       12   Onerating Weight   kg   31268       13   Onerating Weight   kg   14742       14   Onerating Weight   kg   31268       15   Outside Tine Width (max spread)   kg   14742       16   Outside Tine Width (max spread)   kg   14742       17   Onerating Weight   kg   31268       18   Outside Tine Weight   kg   31268       19   Onerating Weight   kg   31268       10   Outside Tine Weight   kg   31268       11   Outside Tine Weight   kg   31268       12   Outside Tine Weight   kg   31268       13   Outside Tine Weight   kg   31268       14   Outside Tine	_	Desch with Fook of Marinerum Height		
9         Ground to Top of Tine with Arms Horizontal and Fork Level         in 85.2 (in 174.5 (		Reach with Fork at Maximum Height		
9         Ground to Top of Tine at Maximum Height and Fork Level in 174.5         mm 4432 (in 174.5)         432 (in 174.5)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 5810 (in 228.7)           11         Clearance at Full Lift and Max Dump         mm 2607 (in 102.7)           12         Max Discharge Angle from Horizontal         deg 47           13         Overall Carriage Width         mm 2751 (in 108.2)           14         Overall Carriage Height         mm 1581 (in 62.3)           15         Outside Tine Width (max spread)         mm 2671 (in 105.1)           16         Outside Tine Width (min spread)         mm 849 (in 33.4)           Tine Width (single tine)         mm 88.9 (in 3.5)           Tine Thickness         mm 203.2 (in 8.0)           Tine Capacity         kg 14742 (in 8.2)           Operating Weight         kg 31268	8	Ground to Top of Tine with Arms Horizontal and Fork Level		
10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   5810   in   228.7   11   Clearance at Full Lift and Max Dump   mm   2607   10   228.7   12   Max Discharge Angle from Horizontal   deg   47   13   Overall Carriage Width   mm   2751   in   108.3   14   Overall Carriage Height   mm   1581   in   62.3   15   Outside Tine Width (max spread)   mm   2671   in   105.1   16   Outside Tine Width (min spread)   mm   849   16   16   16   16   16   16   16   1		· · · · · · · · · · · · · · · · · · ·		
11   Clearance at Full Lift and Max Dump   mm   280.7     12   Max Discharge Angle from Horizontal   deg   47     13   Overall Carriage Width   mm   275.1     14   Overall Carriage Height   mm   1881     15   Outside Tine Width (max spread)   mm   267.1     16   Outside Tine Width (min spread)   mm   84.9     17   Tine Width (single tine)   mm   88.9     18   Tine Thickness   mm   203.2     19   Tine Capacity   kg   14742     10   Operating Weight   kg   31268     11   Operating Weight   kg   31268     12   Operating Weight   kg   31268     13   Operating Weight   kg   31268     14   Operating Weight   kg   31268     15   Operating Weight   kg   31268     16   Operating Weight   kg   31268     17   Operating Weight   kg   31268     18   Operating	9	Ground to Top of Tine at Maximum Height and Fork Level		
11         Clearance at Full Lift and Max Dump         III         283 /III           12         Max Discharge Angle from Horizontal         deg         47           13         Overall Carriage Width         mm         2751 /III           14         Overall Carriage Height         mm         1583 /III           15         Outside Tine Width (max spread)         mm         2671 /III           16         Outside Tine Width (min spread)         mm         849 /III           Tine Width (single tine)         mm         889 /III           Tine Thickness         mm         203.2 /III           Tine Capacity         kg         14742 /IV           Operating Weight         kg         31268 /IV	10	Overall Height of Fork at Full Lift (top of carriage to ground)		
11 Clearance at Full Lift and Max Dump   in   102.7     12 Max Discharge Angle from Horizontal   deg   47     13 Overall Carriage Width   mm   2751     14 Overall Carriage Height   mm   1581     15 Outside Tine Width (max spread)   mm   2671     16 Outside Tine Width (min spread)   mm   849     17 Ine Width (single tine)   mm   849     18 Tine Width (single tine)   mm   849     19 Tine Thickness   mm   203.2     10 Tine Capacity   kg   14742     10 Saparian Weight   kg   31268     10 Operating Weight   kg   31268     10 Operating Weight   kg   31268     11 Operating Weight   kg   31268     12 Operating Weight   kg   31268     13 Overall Carriage Angle from Horizontal   deg   47     10 Operating Weight   kg   31268     10 Operating Weight   kg   31268     11 Operating Weight   kg   31268     12 Operating Weight   kg   31268     13 Overall Carriage Angle from Horizontal   deg   47     14 Overall Carriage Might   kg   47     15 Outside Tine Width (max spread)   mm   2671     16 Outside Tine Width (min spread)   mm   849     17 Operating Weight   mm   2751     18 Outside Tine Width (min spread)   mm   2671     19 Operating Weight   mm   2751     10 Operating Weight   mm   2751     11 Operating Weight   mm   2751     12 Operating Weight   mm   2751     13 Operating Weight   mm   2751     14 Operating Weight   mm   2751     15 Operating Weight   mm   2751     15 Operating Weight   mm   2751     16 Operating Weight   mm   2751     17 Operating Weight   mm   2751     18 Operating Weight		O Torian Froight of Format Fam Ent (top of barriago to ground)		
13   Overall Carriage Width   mm   2751   m   108.3	11	Clearance at Full Lift and Max Dump		
13   Overall Carriage Width   mm   2751   m   108.3	12	Max Discharge Angle from Horizontal		
14   Overall Carriage Width   In   108.3     15   Outside Tine Width (max spread)   In   105.1     16   Outside Tine Width (min spread)   In   105.1     16   Outside Tine Width (min spread)   In   3.3     Tine Width (single tine)   In   3.5     Tine Thickness   In   8.0     Tine Capacity   In   8.0     Operating Weight   In   8.0     Operating Weight   In   8.0     Operating Weight   In   108.3     Operating Weight   In   108.3     In   In   In   In   In   In     In   In				
14         Overall Carriage Height         mm (82) (82.3)           15         Outside Tine Width (max spread)         mm (87) (10.5)           16         Outside Tine Width (min spread)         mm (84) (in (84.3)           Tine Width (single tine)         mm (88.9) (in (3.5)           Tine Thickness         mm (203.2) (in (8.0)           Tine Capacity         kg (1474) (19.5)           Operating Weight         kg (31268) (31268)	13	Overall Carriage Width		
15 Outside Tine Width (max spread)   mm 2671   mm 2671   mm 849	11	Overall Carriage Height		1581
16   Outside Time Width (min spread)   mm   849	-14	Overall Carriage Height	in	
16 Outside Tine Width (min spread)         mm kay 33,4 in 33,4 in 33,4 in 33,4 in 33,5 mm           Tine Width (single tine)         in 3.5           Tine Thickness         mm 203,2 in 8,0 in 8,	15	Outside Tine Width (max spread)		
Tine Width (single tine)				
Tine Width (single tine)         mm k8.9 in 3.5           Tine Thickness         mm 203.2           Tine Capacity         kg 14742           Operating Weight         kg 31268	16	Outside Tine Width (min spread)		
11   3.3   7   7   7   7   7   7   7   7   7		Tine Width (single tine)		88.9
Tine Capacity         in         8.0           To persting Weight         kg         14742           Constitution Weight         kg         31268		Title Width (single title)		
Kg   14742		Tine Thickness		
Operating Weight kg 31268				
Operating Weight kg 31268		Tine Capacity		
		Operating Weight		31268
		Operating Weight		68915

**980 LOG**Pallet, Pin-ON

72" Tine
473-9106



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

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



- Payload (CEN EN 474-3 - Rough Terrain

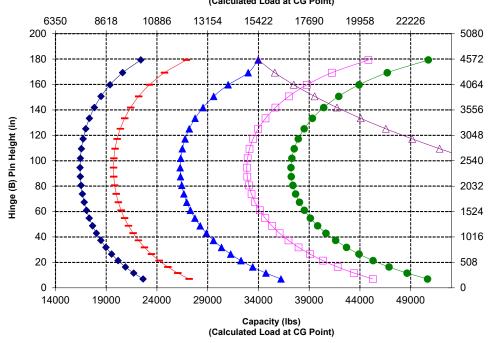
NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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

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

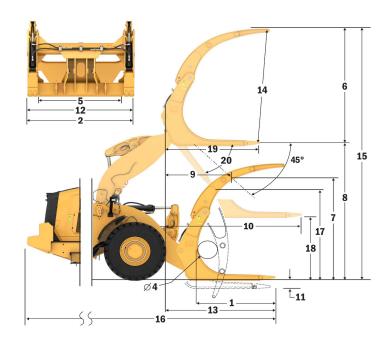




	rk opecifications		
1	Tine length	mm in	1829 72.0
		mm	2777
2	Fork width	in	109.3
		m2	1.69
	End area	ft2	1.09
	Inside Height	mm	0
3	(only applies to double top clamp)	in	0
	Min. opening	mm	555
4	(only applies to millyard forks)	in	22
	, , , , , , , , , , , , , , , , , , , ,	kg	32765
	Operating Weight	lbs	72234
		mm	2215
5	Distance inside of tine tips	in	87
	Static tipping load, articulated	kg	15998
	Fork level	lbs	35268.4
	Static tipping load, straight	kg	18310
	Fork level	lbs	40366.2
_	Max. height of fork	mm	3107
6	(w/clamp open if applicable)	in	122.3
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
0	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	3283
	Trought White arm Horizontal and fore level	in	129.2
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
	Croana to Bottom or root at minimum riolgin and root 2010.	in	-3.0
12	Width over tines	mm	2741
	That over all of	in	107.9
13	Reach @ ground level	mm	2566
		in	101
14	Max. opening across tine and clamp	mm	2926
		in	115.2
15	Overall height of fork @ full lift and	mm	7408
	clamp open	in	291.7
16	Overall length Tip of tine to rear of machine	mm	9983
	Clearance @ full lift and max. dump	in	393.0 2939
17	Discharge (if <> 45)	mm in	2939 115.7
	Clearance w/horizontal lift arms and	mm	2032.4
18	fork level	in	80.0
		mm	2356.0
19	Reach @ full lift and fork level	in	92.8
		deg	47
20	Max. discharge angle from horizontal	rad	0.8
		iau	0.0

**980 LOG**Millyard, Pin-On

72" Tine
507-6128



\*Negative values indicate below grade

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

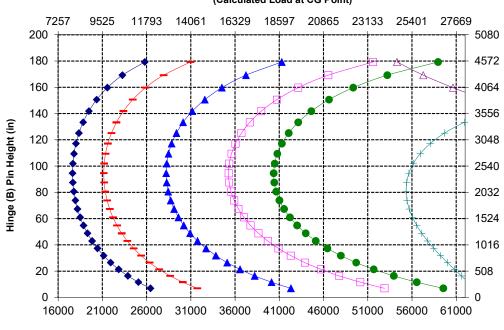


NOTE: Static tipping loads and operating weight are based on the following loader configuration:
Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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	ecific	catio	ns
ı vir	JP	<del>-</del>	Jaur	II O

	ik Opecinications		
1	Tine length	mm in	1826 71.9
		mm	2802
2	Fork width	in	110.3
	Full auto	m2	2.43
	End area	ft2	26
3	Inside Height	mm	1540
3	(only applies to double top clamp)	in	61
4	Min. opening	mm	N/A
-	(only applies to millyard forks)	in	N/A
	Operating Weight	kg	31970
	Operating Weight	lbs	70481
5	Distance inside of tine tips	mm	2256
	<u> </u>	in	89
	Static tipping load, articulated	kg	15920
	Fork level	lbs	35097.5
	Static tipping load, straight	kg	18102
	Fork level	lbs	39906.6
6	Max. height of fork	mm	3394
	(w/clamp open if applicable)	in	133.6
7	Clearance w/full lift, 45 deg dump	mm	2979
	(if max. dump <> 45)	in	117.3
8	Clearance @ full lift fork level	mm	4301
	D 1 // 15 1 1	in	169.3
9	Reach w/full lift, 45 deg dump	mm	1603
	(if max. dump <> 45)	in	63.1
10	Reach w/lift arm horizontal and fork level	mm	3287
		in	129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
		in	-3.0
12	Width over tines	mm	2752 108.4
		in mm	2570
13	Reach @ ground level	in	101
		mm	2936
14	Max. opening across tine and clamp	in	115.6
	Overall height of fork @ full lift and	mm	7695
15	clamp open	in	303.0
	Overall length	mm	9987
16	Tip of tine to rear of machine	in	393.2
	Clearance @ full lift and max. dump	mm	2936
17	Discharge (if <> 45)	in	115.6
	Clearance w/horizontal lift arms and	mm	2032.2
18	fork level	in	80.0
		mm	2359.9
19	Reach @ full lift and fork level	in	92.9
	Many disabassas and form basic and	deg	47
20	Max. discharge angle from horizontal	rad	0.8
	*Nogative values indicate helew grade		

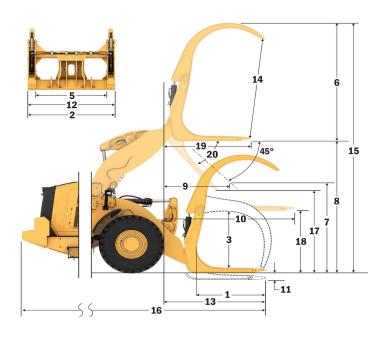
980 LOG

Logging, Pin-On

72" Tine

383-1822

Hinge (B) Pin Height (mm)



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

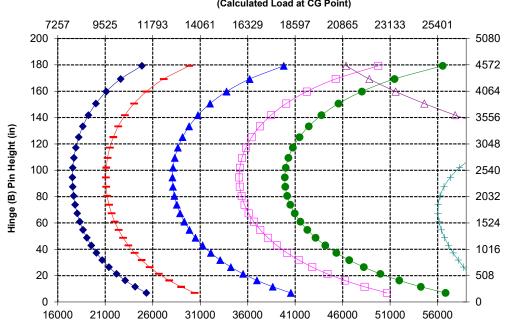


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Capacity (lbs)
(Calculated Load at CG Point)

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

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AEXQ4430-00 (11-2025) Build Number: 14C (N Am, Europe, Aus-NZ, Türkiye, Chile, Colombia)

