



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

• Cat engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3, EU Stage IIIA, and China Nonroad Stage III.

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

• The gross power advertised is with the fan at maximum speed.

• Cat engines are compatible with diesel fuel blended with following lower-carbon intensity fuels up to:

• 100% biodiesel FAME (fatty acid methyl ester)\*

• 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

\* For use of blends higher than 20% biodiesel, consult your Cat dealer.

### **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<sup>™</sup>, open differential axles (front/rear), secondary steering, sound suppression, and a 5.4 m<sup>3</sup> (7.1 yd<sup>3</sup>) general purpose bucket with BOCE.

### **Operating Specifications**

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

• For a machine configuration as defined under "Weight."

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

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

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

# **Hydraulic System**

nyuluulle oystelli		
Implement Pump Type	Variable Displacement Piston, load sensing	
Implement System:		
Maximum Pump Output (2,250 rpm)	449 L/min	119 gal/min
Maximum Operating Pressure	34 300 kPa	4,975 psi
Optional 3 <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 Paylo	oad:	
Raise from Carry Position	5.3 sec	
Dump, at Maximum Raise	1.7 sec	
Lower, Empty, Float Down	3.1 sec	
Total	10.1 sec	
Brakes		
Brakes	Brakes meet standards	ISO 3450:2011
Axles		
Front	Fixed	
Rear	Oscillating	
Service Refill Capacities		
Fuel Tank	426 L	112.5 gal
a 4 a		

Service neith capacities		
Fuel Tank	426 L	112.5 gal
Cooling System	50 L	13.2 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

### **Sound Performance**

Operator Sound Pressure Level (ISO 6396:2008)	75 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	112 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	72 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	109 dB(A)

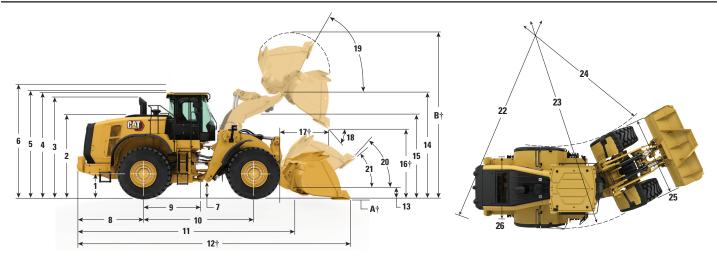
\*Including countries that adopt the EU and UK Directives \*\*EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

# **Air Conditioning System**

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.52 lb) of refrigerant which has a CO<sub>2</sub> equivalent 2.288 metric tonnes (2.522 tons).

# Dimensions

All dimensions are approximate.



		Standar	Standard Lift		Lift
1	Height to Axle Centerline	899 mm	2'11"	899 mm	2'11"
2	Height to Top of Hood	3064 mm	10'1"	3064 mm	10'1"
3	Height to Top of Exhaust Pipe	3764 mm	12'5"	3764 mm	12'5"
4	Height to Top of ROPS	3829 mm	12'7"	3829 mm	12'7"
5	Height to Top of Product Link Antenna	3835 mm	12'7"	3835 mm	12'7"
6	Height to Top of Warning Beacon	4108 mm	13'6"	4108 mm	13'6"
7	Ground Clearance	456 mm	1'5"	456 mm	1'5"
8	Center Line of Rear Axle to Edge of Counterweight	2661 mm	8'9"	2661 mm	8'9"
9	Center Line of Rear Axle to Hitch	1900 mm	6'3"	1900 mm	6'3"
10	Wheelbase	3800 mm	12'6"	3800 mm	12'6"
11	Overall Length (without bucket)	8155 mm	26'10"	8355 mm	27'5"
12	Shipping Length (with bucket level on ground)*†	9673 mm	31'9"	9875 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	grees	55 degrees	
19	Rack Back at Maximum Lift*	61 deg	grees	61 degrees	
20	Rack Back at Carry Height*	48 deg	grees	50 deg	rees
21	Rack Back at Ground*	40 deg	grees	40 deg	rees
22	Clearance Circle (dia) to Counterweight	13 692 mm	45'0"	13 692 mm	45'0"
23	Clearance Circle (dia) to Outside of Tires	13 700 mm	45'0"	13 700 mm	45'0"
24	Clearance Circle (dia) to Inside of Tires	7180 mm	23'7"	7180 mm	23'7"
25	Width over Tires (unloaded)	3240 mm	10'8"	3240 mm	10'8"
	Width over Tires (loaded)	3260 mm	10'9"	3260 mm	10'9"
26	Tread Width	2440 mm	8'0"	2440 mm	8'0"

†Dimensions are listed in Operating Specifications charts.

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

• All dimensions are approximate and based on machine equipped with 5.4 m<sup>3</sup> (7.1 yd<sup>3</sup>) 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	L5	L5	L–3	L–3
Tread Pattern	VSNT	XLDD1	XLDD2	XMINED2	VJT	XHA2
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"
Change in Vertical Dimensions		-7 mm	-6 mm	5 mm	-23 mm	-40 mm
(average of front and rear)		-0.3"	-0.2"	0.2"	-0.9"	-1.6"
Change in Horizontal Reach		-1 mm 0"	3 mm 0.1"	3 mm 0.1"	20 mm 0.8"	23 mm 0.9"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	36 mm 1.4"	34 mm 1.3"	29 mm 1.1"	36 mm 1.4"
Change in Clearance Circle to Inside of Tires		-42 mm -1.7"	-36 mm -1.4"	-34 mm -1.3"	-29 mm -1.1"	-36 mm -1.4"
Change in Operating Weight (without Ballast)		-156 kg -344 lb	208 kg 459 lb	532 kg 1,173 lb	-684 kg -1,508 lb	-700 kg -1,544 lb
Change in Static Tipping Load – Straight		-119 kg -262 lb	158 kg 349 lb	405 kg 892 lb	-520 kg -1,147 lb	-532 kg -1,174 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	138 kg 304 lb	352 kg 777 lb	-453 kg -998 lb	-463 kg -1,022 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"
*Width over tire bulge and includes tire growth.						
Tire Brand	Bridgestone	Bridgestone	Maxam	Maxam	Maxam	Brawler
Tire Size	29.5R25	29.5R25	29.5R25	29.5R25	29.5R25	29.5-25
Tread Type	L–5	L–5	L–3	L-4	L–5	Solid
Tread Pattern	VSDT	VSDL	MS302	MS405DX	MS503	Traction/Smooth
Width over Tires – Maximum (empty)*	3272 mm 10'9"	3250 mm 10'8"	3270 mm 10'9"	3256 mm 10'9"	3268 mm 10'9"	3227 mm 10'8"
Width over Tires – Maximum (loaded)*	3301 mm 10'10"	3275 mm 10'9"	3290 mm 10'10"	3282 mm 10'10"	3304 mm 10'11"	3230 mm 10'8"
Change in Vertical Dimensions	4 mm	20 mm	-19 mm	-33 mm	-6 mm	9 mm
(average of front and rear)	0.1"	0.8"	-0.8"	-1.3"	-0.2"	0.4"
Change in Horizontal Reach	0 mm 0"	-10 mm -0.4"	6 mm 0.2"	19 mm 0.7"	-3 mm -0.1"	30 mm 1.2"
			20			20

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

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

# **Tire Options**

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

\*Width over tire bulge and includes tire growth.

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

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

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

\*As a % of ISO 7546:1983 rated capacity.

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

M	ateria	al Density	kg/m <sup>3</sup>	900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400
			5.4 m³ (7 yd³)	6.2 m <sup>3</sup> (8 yd <sup>3</sup> ) 5.4 m <sup>3</sup> (7 yd <sup>3</sup> )
	Pin On	General	5.7 m³ (7.5 yd³)	6.6 m <sup>3</sup> (8.5 yd <sup>3</sup> ) 5.7 m <sup>3</sup> (7.5 yd <sup>3</sup> )
Standard Linkage	Pin	Purpose	6 m³ (7.75 yd³)	6.9 m <sup>3</sup> (9 yd <sup>3</sup> ) 6 m <sup>3</sup> (7.75 yd <sup>3</sup> )
Standard			6.4 m³ (8.25 yd³)	7.4 m³ (9.75 yd³)         6.4 m³ (8.25 yd³)
	Hook On	General	5.4 m³ (7 yd³)	6.2 m <sup>3</sup> (8 yd <sup>3</sup> ) 5.4 m <sup>3</sup> (7 yd <sup>3</sup> )
	Hoo	Purpose	5.7 m³ (7.5 yd³)	6.6 m <sup>3</sup> (8.5 yd <sup>3</sup> )
			5.4 m³ (7 yd³)	6.2 m <sup>3</sup> (8 yd <sup>3</sup> ) 5.4 m <sup>3</sup> (7 yd <sup>3</sup> )
High Lift	Pin On	General	5.7 m³ (7.5 yd³)	6.6 m <sup>3</sup> (8.5 yd <sup>3</sup> ) 5.7 m <sup>3</sup> (7.5 yd <sup>3</sup> )
Higl	Pin	Purpose	6 m³ (7.75 yd³)	6.9 m <sup>3</sup> (9 yd <sup>3</sup> ) 6 m <sup>3</sup> (7.75 yd <sup>3</sup> )
			6.4 m³ (8.25 yd³)	7.4 m <sup>3</sup> (9.75 yd <sup>3</sup> ) 6.4 m <sup>3</sup> (8.25 yd <sup>3</sup> )
_			5.4 m³ (7 yd³)	6.2 m <sup>3</sup> (8 yd <sup>3</sup> ) 5.4 m <sup>3</sup> (7 yd <sup>3</sup> )
Aggregate Handler	Pin On	General	5.7 m³ (7.5 yd³)	6.6 m <sup>3</sup> (8.5 yd <sup>3</sup> )
Aggregat	Pir	Purpose	6 m³ (7.75 yd³)	6.9 m <sup>3</sup> (9 yd <sup>3</sup> ) 6 m <sup>3</sup> (7.75 yd <sup>3</sup> )
			6.4 m³ (8.25 yd³)	7.4 m <sup>3</sup> (9.75 yd <sup>3</sup> ) 6.4 m <sup>3</sup> (8.25 yd <sup>3</sup> )
M	ateria	al Density	lb/yd³	1,517 1,685 1,854 2,022 2,191 2,359 2,528 2,696 2,865 3,033 3,202 3,370 3,539 3,707 3,876 4,044
	115		Fill Factor 05% 100% 95%	
L				

Note: All buckets are showing Bolt-On Edges.

# **Bucket Fill Factors and Selection Guide**

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

Loose Material		Fill Factor (%)*	<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

\*As a % of ISO 7546:1983 rated capacity.

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

Μ	ateria	al Density	kg/m³	30	)0 4	00 5	600 6	00 7	00 8	00 9	900 1	000 1	100 1	200 13	00 14	400 15	600 16	600 17	00 18	00 19	00 2	000 2	100 22	0 2300
		Rock,	4.2 m³ (5.5 yd³)														4	  .8 m³ (6. 	25 yd³)				4 m	3 (5.25 yd <sup>3</sup>
		Spade	4.5 m³ (6 yd³)													5.2 n	 1 <sup>3</sup> (6.75 y	/d³)				4.3 m <sup>3</sup>	 (5.5 yd³)	
Standard Linkage	Pin On	Coal	8.2 m³ (10.75 yd³)							9.4 m	ן 3 (12.25 א 	/d <sup>3</sup> )		8.2 m <sup>3</sup> (10	0.75 yd³	   								
Standar	Pin	Waste	10.7 m³ (14 yd³)				12.3	 m³ (16 չ 	/d <sup>3</sup> )		  0.7 m³ ('	 14 yd <sup>3</sup> )												
		Woodchin	14.5 m³ (19 yd³)		16.7 m	   <sup>3</sup> (21.75 	yd³)	14.	 .5 m³ (19 	yd³)														
	Hook On	Woodchip	14.3 m³ (18.75 yd³)		16.45 m <sup>3</sup>	(21.5 y	 d <sup>3</sup> )	14.3 m <sup>3</sup>	 <sup>3</sup> (18.75 y 	/d³)														
		Rock	4 m³ (5.25 yd³)														4.6	 m³ (6 yd³ 	)			3	 8.8 m³ (5 y _	d <sup>3</sup> )
		Rock,	4.2 m³ (5.5 yd³)													4.8	 m³ (6.25 	 yd³) 				4 m <sup>3</sup>	 (5.25 yd <sup>3</sup> ) 	
High Lift	Pin On	Spade	4.5 m³ (6 yd³)												5.2 m	   <sup>3</sup> (6.75 y 	d <sup>3</sup> )			4.	 3 m³ (5.! 	 5 yd³) 		
		Coal	8.2 m³ (10.75 yd³)						7.4	 m³ (9.75 	i yd³)		8.2 m <sup>3</sup>	 (10.75 yd	3)									
		Waste	10.7 m³ (14 yd³)				 12.3 m³ ( 	16 yd³)		10.7 n	 1 <sup>3</sup> (14 yd <sup>:</sup> 	3)												
_		Coal	8.2 m³ (10.75 yd³)								9.4 m <sup>3</sup>	 (12.25 yd 	3)	8	.2 m³ (10	 ).75 yd³) 								
Aggregate Handler	Pin On	Waste	10.7 m³ (14 yd³)					 12.3 m³ 	 (16 yd³) 		10.7	 7 m³ (14 y 	d³)											
Aggregat		Woodchip	14.5 m³ (19 yd³)		16	 6.7 m³ (2 	 1.75 yd³) 		12 m³ (	 15.75 yc	  3) 													
M	ateria	al Density	lb/yd³	50	)6 6	74 8	843 1,0	011 1,	180 1,:	348 1	,517 1	,685 1,	854 2,	022 2,1	91 2,	359 2,	528 2,6	696 2,8	65 3,0	33 3,2	202 3,	370 3	,539 3,7	07 3,870
	1159	Bucket F % 110% 10	ill Factor 5% 100% 95%																					

Note: All buckets are showing Bolt-On Edges.

# **Operating Specifications – Buckets**

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

Linkage				St	andard Linka	age		
Bucket Type			Hook	On – Fusion™	<sup>™</sup> – General P	urpose		Hook On – Fusion – Woodchip
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges
Capacity – Rated	m <sup>3</sup>	5.40	5.40	5.00	5.70	5.70	5.30	14.50
	yd <sup>3</sup>	7.00	7.00	6.50	7.50	7.50	7.00	19.00
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	5.90	5.90	5.50	6.30	6.30	5.80	16.00
	yd <sup>3</sup>	7.75	7.75	7.25	8.25	8.25	7.50	21.00
Width	mm	3447	3535	3535	3447	3535	3535	4433.4
	ft/in	11'3"	11'7"	11'7"	11'3"	11'7"	11'7"	14'6"
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Lift	mm	3183	3017	3017	3117	2950	2950	2668
and 45° Discharge	ft/in	10'5"	9'10"	9'10"	10'2"	9'8"	9'8"	8'9"
17† Reach at Maximum Lift and	mm	1588	1724	1724	1640	1775	1775	1915
45° Discharge	ft/in	5'2"	5'7"	5'7"	5'4"	5'9"	5'9"	6'3"
Reach at Level Lift Arm and	mm	3116	3327	3327	3200	3411	3411	3727
Bucket Level	ft/in	10'2"	10'11"	10'11"	10'6"	11'2"	11'2"	12'2"
A <sup>†</sup> Digging Depth	mm	93	93	58	93	93	58	75
	in	3.6"	3.6"	2.3"	3.6"	3.6"	2.3"	2.9"
12† Overall Length	mm	9827	10 069	10 069	9911	10 153	10 153	10 423
	ft/in	32'3"	33'1"	33'1"	32'7"	33'4"	33'4"	34'3"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6532	6532	6532	6599	6599	6599	7172
Maximum Lift	ft/in	21'6"	21'6"	21'6"	21'8"	21'8"	21'8"	23'7"
Loader Clearance Circle Radius	mm	7694	7817	7817	7721	7845	7845	8395
with Bucket at Carry Position	ft/in	25'3"	25'8"	25'8"	25'4"	25'9"	25'9"	27'7"
Static Tipping Load, Straight (ISO)*	kg	21 361	21 177	21 611	21 136	20 950	21 367	18 903
	lb	47,080	46,674	47,631	46,584	46,175	47,094	41,662
Static Tipping Load, Straight	kg	22 728	22 542	22 996	22 511	22 324	22 757	20 315
(Rigid Tire)*	lb	50,092	49,682	50,685	49,615	49,202	50,157	44,774
Static Tipping Load,	kg	18 354	18 169	18 575	18 140	17 954	18 346	15 989
Articulated (ISO)*	lb	40,452	40,046	40,941	39,981	39,572	40,436	35,240
Static Tipping Load, Articulated	kg	19 576	19 390	19 815	19 372	19 185	19 591	17 262
(Rigid Tire)*	lb	43,147	42,737	43,673	42,697	42,284	43,179	38,046
Breakout Force (§)	kN	203	201	216	193	190	204	141
~~/	lbf	45,829	45,315	48,584	43,399	42,894	45,873	31,880
Operating Weight*	kg	31 086	31 224	31 049	31 196	31 334	31 159	32 572
	lb	68,513	68,817	68,431	68,755	69,060	68,673	71,789

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

#### Fork Specifications

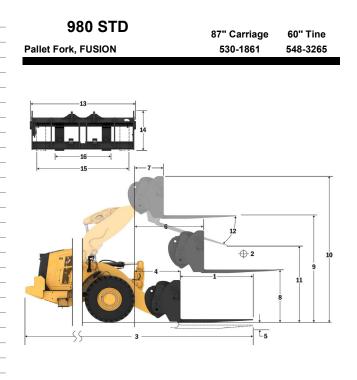
-Payload (CEN EN 474-3 - Rough Te

Static Tipping Load - Straight 

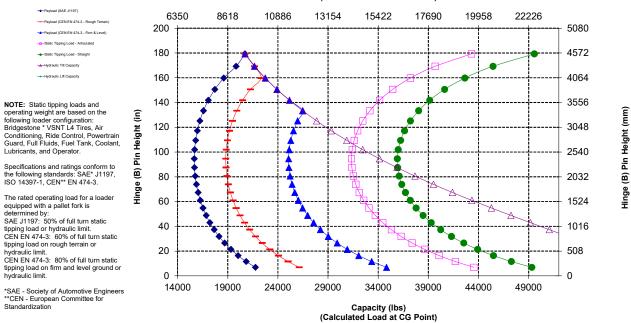
Lubricants, and Operator.

-O-Static Tipping Load - Articulated

•••			
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Static Tipping Load - Straight (Forks Level)	in kg	30.0 16284
	Static Tipping Load - Straight (Forks Level)	lbs	35891
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	14214 31329
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7107 15664
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8529 18797
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	9398 20714
3	Maximum Overall Length	mm	10136
_		in mm	<u>399.0</u> 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
	Reach with Arms Horizontal and Forks Level	in mm	-5.9 1809
6	Reach with Arms Honzontal and Forks Level	in	71.2
7	Reach with Fork at Maximum Height	mm in	883 34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
_	Cround to Tan of Ting at Maximum Height and Fark Lavel	in mm	79.7 4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5067 199.5
11	Clearance at Full Lift and Max Dump	mm in	2893 113.9
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm	840
		in	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	150.0
	( )	in	5.9 65.0
	Tine Thickness	mm in	2.6
	Tine Capacity	kq	6300
	Operating Weight	lbs kg	13885 29034
	Operating Weight	lbs	63990
	*Negative values indicate below grade		



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





Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

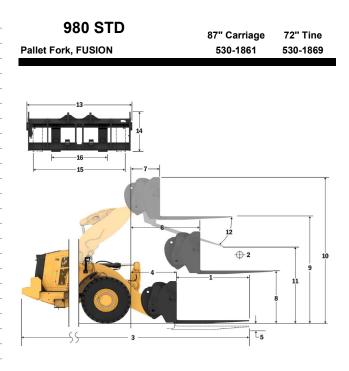
-Payload (CEN EN 474-3 - Rough Ter

Static Tipping Load - Straight -Hydraulic Tilt Capacity + Hydraulic Lift Capacity

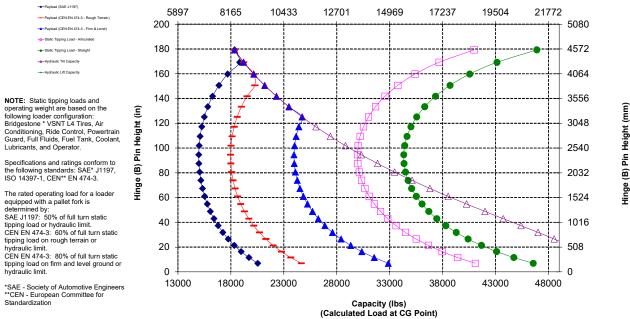
Lubricants, and Operator.

Pavload (CEN EN 474-3 - Firm & Level 

•••			
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
-		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15570 34316
	Static Tipping Load Articulated (Farka Loual)	kg	13586
	Static Tipping Load - Articulated (Forks Level)	lbs	29943
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6793 14971
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8151
	,	lbs ka	17966 8327
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	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
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
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
<u> </u>	Glound to Top of The with Arms Horizontal and Fork Level	in	79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4292 169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	199.5
11	Clearance at Full Lift and Max Dump	mm	2676 105.4
	· · · · · · · · · · · · · · · · · · ·	in	
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
		mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Conceity	kg	5246
	Tine Capacity	lbs	11562
	Operating Weight	kq	29081
		lbs	64093
	*Negative values indicate below grade		
	····g··· ······ g		



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





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

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### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
		in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	16793
		lbs kg	37011 14622
	Static Tipping Load - Articulated (Forks Level)	lbs	32226
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7311
	( , , , , , , , , , , , , , , , , , , ,	lbs	16113
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8773 19335
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	11289
	Rated Load (CEN EN 474-3 Film and Level Glound - 80% F131L)	lbs	24881
3	Maximum Overall Length	mm	9773
	•	in mm	<u>384.8</u> 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
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
		mm	870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	•	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 height of hork at hull Elit (top of carriage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	3074 121.0
	· · · · · · · · · · · · · · · · · · ·	in	
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	•	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
45	Outside Tine Width (max spread)	mm	2493
13		in	98.1
16	Outside Tine Width (min spread)	mm	590 23.2
		in mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	22200 48929
	On exeting Weight	kg	29396
	Operating Weight	lbs	64788

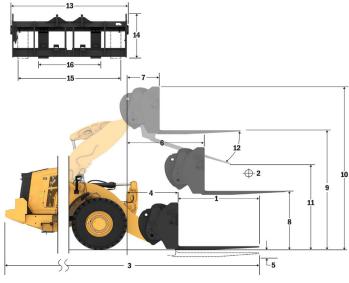
# 980 STD

**Construction Fork, FUSION** 

\*Build 14A

108" Carriage 48" Tine 520-7968 520-7985

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



\*Negative values indicate below grade

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

Payload (CEN EN 474-3 - Firm & Leve oing Load - Artic

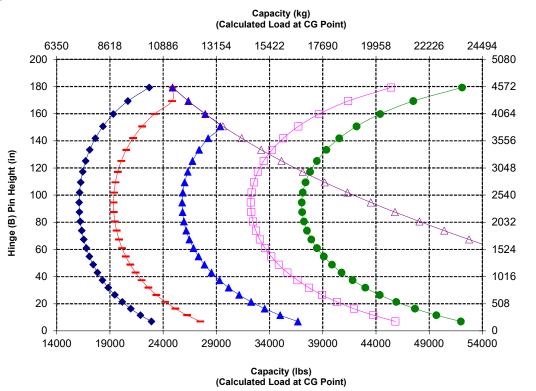
ng Load - Straigt

**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 bydraulic 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



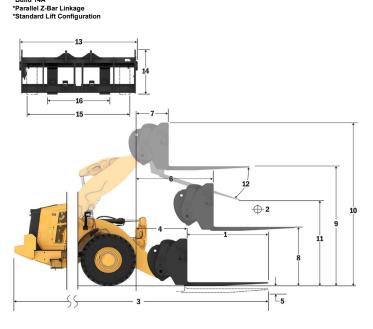
#### **Fork Specifications**

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	16014 35295
	Static Tipping Load - Articulated (Forks Level)	kq	13936
	Static Tipping Load - Anticulated (Forks Level)	lbs	30714
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6968
		lbs kg	15357 8361
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18429
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	9839
		lbs	21685
3	Maximum Overall Length	mm in	10078 396.8
		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
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
-	Design with Fruit of Maximum Hainba	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
	•	in mm	84.0 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
	everal height of hork at hair Lift (top of carnage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm in	2835 111.6
- 10			
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	5	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm	2483
15		in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
-	Tine Thickness	mm	90.0
		in ka	3.5
	Tine Capacity	kg Ibs	17800 39231
	Operating Weight	kq	29458
	Operating Weight	lbs	64924

### 980 STD

### 108" Carriage 60" Tine 520-7968 520-7980

Construction Fork, FUSION
\*Build 14A
\*Parallel Z-Bar Linkage



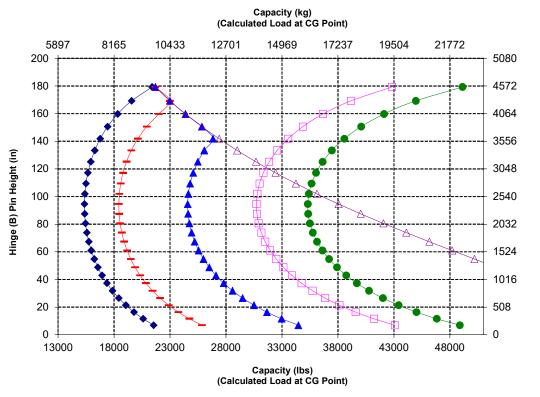
\*Negative values indicate below grade

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.

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**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15292 33703
		kg	13299
	Static Tipping Load - Articulated (Forks Level)	lbs	29312
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6650
		lbs	14656
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7980 17587
		lbs ka	8691
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19155
3	Maximum Overall Length	mm	10383
		in	408.8
4	Reach with Forks at Ground Level	mm	1141
		in mm	<u>44.9</u> -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
		in	70.7
7	Reach with Fork at Maximum Height	mт	870
	ů.	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 The 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 2597
11	Clearance at Full Lift and Max Dump	in	102.3
40	May Discharge Angle from Havingental		
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	•	in	<u>111.5</u> 1130
14	Overall Carriage Height	mm in	44.5
45	Outside Tine Width (max spread)	mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	The Thister of	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	14800
		lbs	32619
	Operating Weight	kg	29520
		lbs	65061

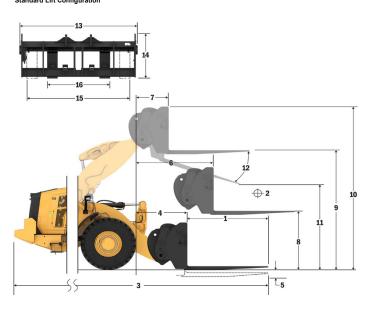
# 980 STD

108" Carriage 72" Tine 520-7968

520-7979

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

**Construction Fork, FUSION** 



\*Negative values indicate below grade

--Payload (SAE J1197) Payload (CEN EN 474-3 - Rough Terrain) nad (CEN EN 474-3 - Firm & Leve ing Load - Artic

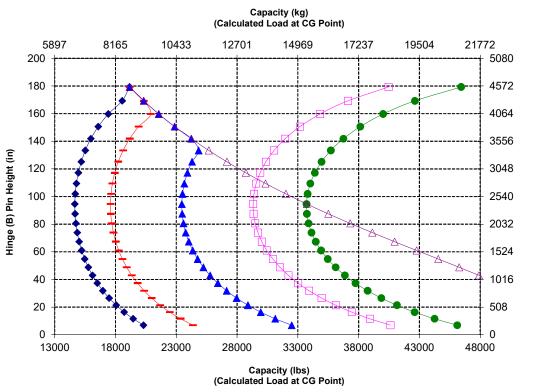
ng Load - Straigt

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

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Hinge (B) Pin Height (mm)

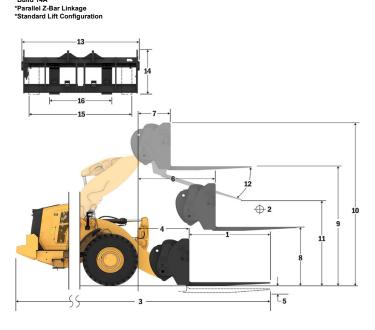
#### **Fork Specifications**

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Edad Ochici	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	14622
		lbs kq	32227 12709
	Static Tipping Load - Articulated (Forks Level)	lbs	28010
		kg	6354
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14005
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7625
		lbs	16806
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	7759
		lbs	17102 10688
3	Maximum Overall Length	mm in	420.8
		mm	1141
4	Reach with Forks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
5	Ground to Bollom of The at Minimum Height 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
-		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
		in	214.3
11	Clearance at Full Lift and Max Dump	mm	2359
		in	92.9
12	Max Discharge Angle from Horizontal	deg	51
		mm	2833
13	Overall Carriage Width	in	111.5
4.4	Overall Carriage Height	mm	1130
14	Overall Carnage rieght	in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590 23.2
		in mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	12700
		lbs	27991
	Operating Weight	kg	29582
	-1 5 5	lbs	65198

### 980 STD

### 108" Carriage 84" Tine 520-7968 520-7986

Construction Fork, FUSION



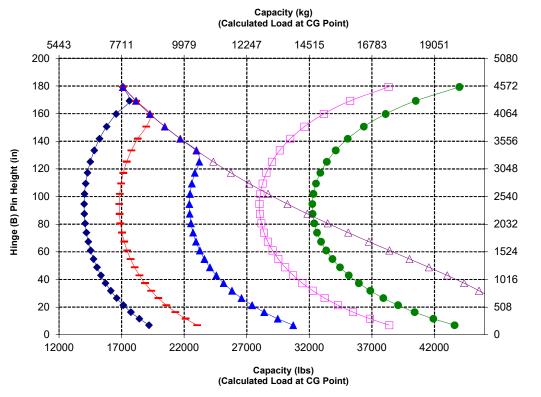
\*Negative values indicate below grade

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.

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

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

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### **Fork Specifications**

#### **Fork Specifications**

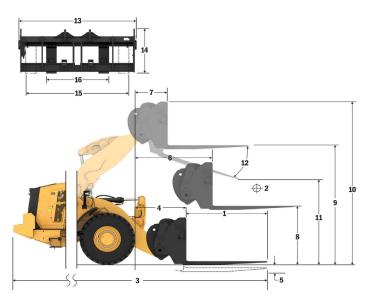
	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	13999
		lbs kg	30855 12159
	Static Tipping Load - Articulated (Forks Level)	lbs	26799
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6080
	Naled Eoad (SAE 31137 - 30 % 1131E)	lbs	13399
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	6988
	· · · ·	lbs ka	15401 6988
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15401
•	Maximum Quantill an ath	mm	10992
3	Maximum Overall Length	in	432.8
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
		mm	1797
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
	•	in mm	84.0 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 carnage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
		in	83.5
12	Max Discharge Angle from Horizontal	deg	51
40	Queene III Queenia en a Miliatta	mm	2833
13	Overall Carriage Width	in	111.5
14	Overall Carriage Height	mm	1130
	gg	in	44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
- 10		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in kg	3.5 11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	29645
		lbs	65336

# 980 STD

108" Carriage 96" Tine 520-7968 520-7981

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

**Construction Fork, FUSION** 



\*Negative values indicate below grade

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

-B-Static Tipping Load - Articu

--Static Tipping Load - Straight

-A-Hydraulic Tilt Capacity

-Hydraulic Lift Capacity

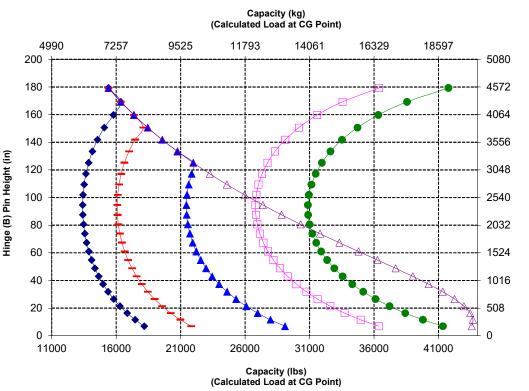
**NOTE:** Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant,

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

Lubricants, and Operator.

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

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#### Fork Specifications

-Payload (SAE J1197)

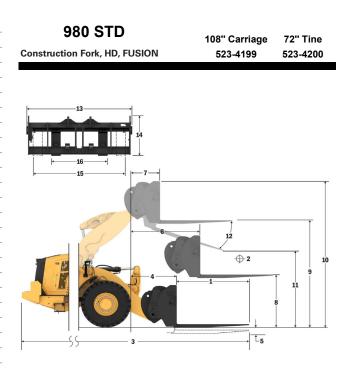
-Payload (CEN EN 474-3 - Rough Ter

Static Tipping Load - Straight -Hydraulic Tilt Capacity + Hydraulic Lift Capacity

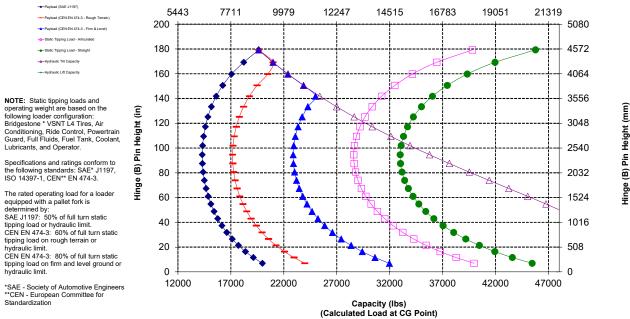
Lubricants, and Operator.

Pavload (CEN EN 474-3 - Firm & Level 

	opeenieulene		
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 kg	
	Static Tipping Load - Articulated (Forks Level)	lbs	
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6487
	Rated Load (GAE 31137 - 30 /01 1012)	lbs	
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	
		kg	
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	
3	Maximum Overall Length	mm	
<u> </u>		in	
4	Reach with Forks at Ground Level	mm in	
-		mm	
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	
6	Reach with Arms Horizontal and Forks Level	mm	
·		in	
7	Reach with Fork at Maximum Height	mm in	
•	One word to Tax of Time with Americal Indiana to and Foods Laws	mm	
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	
-		in mm	
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	
11	Clearance at Full Lift and Max Dump	mm	
11		in	98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
		in	111.1
14	Overall Carriage Height	mm in	1129 44.4
45	Outside Time (Midth (manus and ad))	mm	2627
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm	747
	, , ,	in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	ka	18700
		lbs kg	41215 29958
	Operating Weight	lbs	66026
	*Negative values indicate below grade		50020
	negative values indicate below grade		



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





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

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#### Fork Specifications

-Payload (SAE J1197)

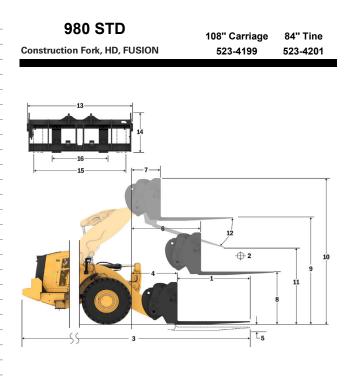
-Payload (CEN EN 474-3 - Rough Te

Static Tipping Load - Straight 

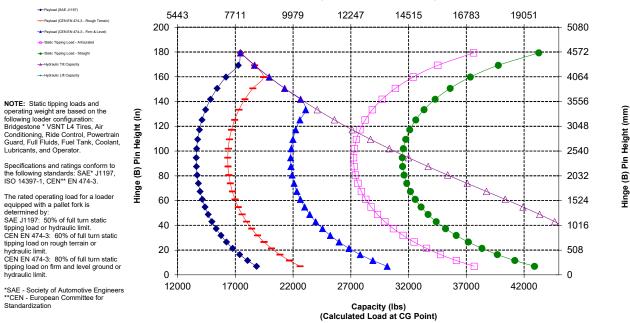
Lubricants, and Operator.

-O-Static Tipping Load - Articulated

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



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



Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

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

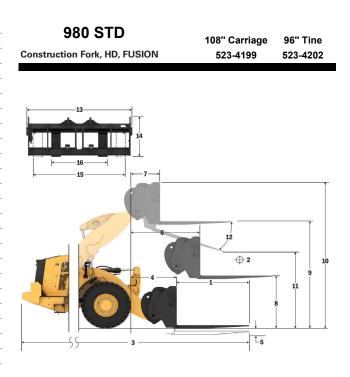
Static Tipping Load - Straight -Hydraulic Tilt Capacity -Hydraulic Lift Capacity

Lubricants, and Operator.

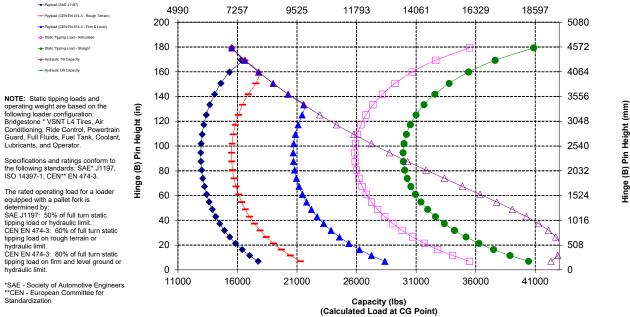
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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

•••			
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
-		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	13562 29890
	Static Tinning Load Articulated (Forks Loval)	kg	11724
	Static Tipping Load - Articulated (Forks Level)	lbs	25839
	Rated Load (SAE J1197 - 50% FTSTL)	kg	5862 12920
		lbs kg	7034
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15504
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7041
		lbs mm	15518 11021
3	Maximum Overall Length	in	433.9
4	Reach with Forks at Ground Level	mm	1170
-		in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-98 -3.8
•		mm	-3.8
6	Reach with Arms Horizontal and Forks Level	in	70.9
7	Reach with Fork at Maximum Height	mm	874
	•	in	34.4 2102
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4370
3		in	172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
		in mm	212.9 1994
11	Clearance at Full Lift and Max Dump	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1127
	o roran o annago riolgin	in	44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
40	Outside Tine Width (min spread)	mm	747
10		in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
		mm	9.0
	Tine Thickness	in	3.5
	Tine Capacity	kq	15750
		lbs	34713
	Operating Weight	ka Ibs	30211 66584
	*Negative velues indicate below grade	103	30304
	*Negative values indicate below grade		



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





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

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# **980 Wheel Loader Specifications**

### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
	Edad Ochici	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15314 33752
	Static Timping Load Articulated (Ferlin Lough)	kg	13619
	Static Tipping Load - Articulated (Forks Level)	lbs	30017
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6810
		lbs kg	15008 8172
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18010
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	8989
		lbs	19811
3	Maximum Overall Length	mm in	10344 407.2
		mm	1407
4	Reach with Forks at Ground Level	in	55.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-149
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1982 78.0
-	Design with Fauly of Maximum Haladat	mm	898
7	Reach with Fork at Maximum Height	in	35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2023
	•	in mm	79.6 4512
9	Ground to Top of Tine at Maximum Height and Fork Level	in	177.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5287
10	overall height of hork at hull Elit (top of carriage to ground)	in	208.2
11	Clearance at Full Lift and Max Dump	mm	3066
	· · · · · · · · · · · · · · · · · · ·	in	120.7
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
	••••••••••••••••••••••••••••••••••••••	in	87.3
14	Overall Carriage Height	mm in	840 33.1
45	Outside Tine Width (may annead)	mm	2070
15	Outside Tine Width (max spread)	in	81.5
16	Outside Tine Width (min spread)	mm	470
		in mm	<u>18.5</u> 150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	k <u>g</u> Ibs	6300 13885
		ka	29171
	Operating Weight	lbs	64293

980 HL	87'' Carriage	60" Tine
Pallet Fork, FUSION	530-1861	548-3265

\*Negative values indicate below grade

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

-g-Static Tipping Load - Articula

-A-Hydraulic Tilt Capacity

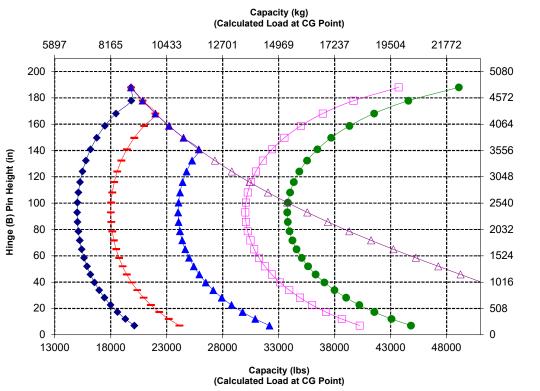
----Hydraulic Lift Capacity

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

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

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



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Hinge (B) Pin Height (mm)

#### **Fork Specifications**

1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	14666 32325
		lbs kg	13039
	Static Tipping Load - Articulated (Forks Level)	lbs	28737
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6519
	Naled Eoad (SAE 31197 - 30 % 1131E)	lbs	14369
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7823
	(**************************************	lbs	17242
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	7970 17566
		mm	10650
3	Maximum Overall Length	in	419.3
4	Reach with Forks at Ground Level	mm	1407
4	Reach with Forks at Ground Level	in	55.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-149
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1982
		in	78.0
7	Reach with Fork at Maximum Height	mm in	898 35.4
_		mm	2023
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4512
	Glound to Top of The at Maximum Height and Fork Level	in	177.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5287
		in	208.2
11	Clearance at Full Lift and Max Dump	mm	2842
		in	111.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm	2217
		in	87.3
14	Overall Carriage Height	mm	840
		in	33.1 2070
15	Outside Tine Width (max spread)	mm in	81.5
40	Outride Time (M/idth (min anne d))	mm	470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
		in	5.9
	Tine Thickness	mm	65.0
		in ka	2.6
	Tine Capacity	kg Ibs	5246 11562
		kg	29218
	Operating Weight	lbs	64396
		100	34000

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

\*Negative values indicate below grade

Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain)
 Payload (CEN EN 474.3 - Firm & Level)
 Pastatic Tipping Load - Articulated
 Static Tipping Load - Straight

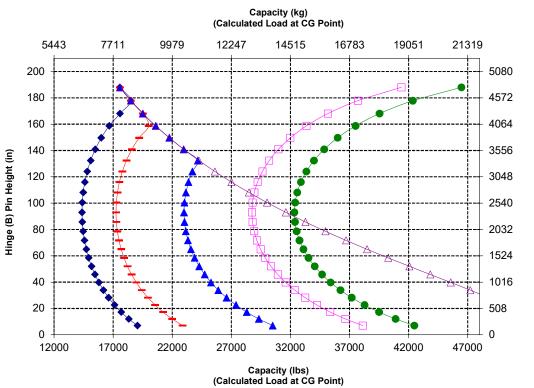
----Hydraulic Lift Capacity

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 hydraulic limit.

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



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#### Fork Specifications

--Payload (SAE J1197)

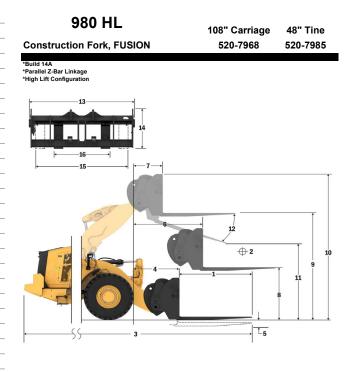
-d-Hydraulic Tilt Capa ----Hydraulic Lift Capacit

Lubricants, and Operator.

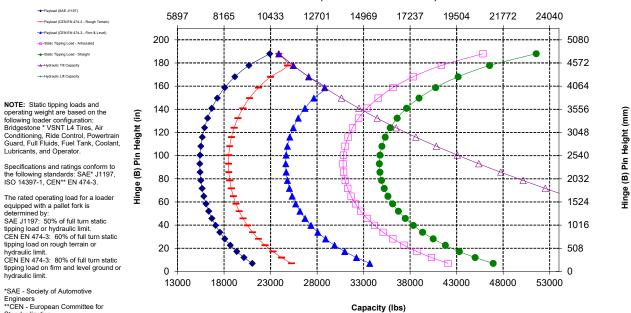
-Payload (CEN EN 474-3 - Rough Te

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
—		in kg	24.0 15737
	Static Tipping Load - Straight (Forks Level)	lbs	34684
	Static Tipping Load - Articulated (Forks Level)	kg	13963
		lbs kg	30775 6982
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	15388
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8378 18465
	Detection and (OEN EN 474.2 Firm and Laural Oracinal 2009) (FTOTIA)	kg	10837
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	23884
3	Maximum Overall Length	mm in	9983 393.0
		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
		in mm	-2.4 1970
6	Reach with Arms Horizontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm	885
	°	in mm	34.9 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
		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	3256
		in	128.2
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
	5	in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2493
	,	in mm	98.1 590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	( 3 )	in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	22200
		lbs	48929
	Operating Weight	kq Ibs	29533 65091
	*Negative values indicate below grade		00001
	Hogalito talaos illuloale below glade		



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



(Calculated Load at CG Point)



hydraulic limit.

Standardization

\*SAE - Society of Automotive

#### Fork Specifications

-Payload (SAE J1197)

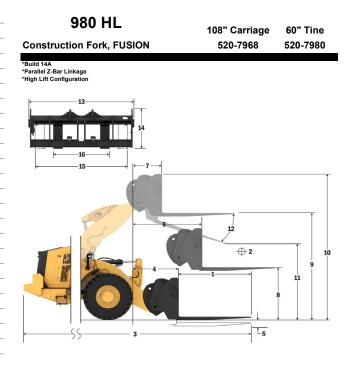
---- Payload (CEN EN 474-3 - Rough Ter Pavload (CEN EN 474-3 - Firm & Level

-Hydraulic Tilt Capacity -Hydraulic Lift Capacity

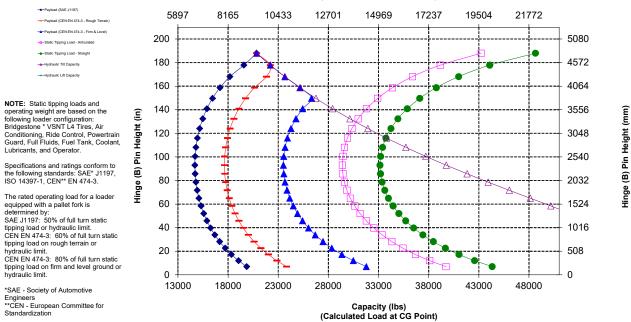
Lubricants, and Operator.

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

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in kg	<u>30.0</u> 15033
	Static Tipping Load - Straight (Forks Level)	lbs	33133
	Static Tipping Load - Articulated (Forks Level)	kg	13332
	11 0 ( )	lbs	29384 6666
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	14692
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7999
	, <b>č</b> ,	lbs	17630
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	9455 20840
3	Maximum Overall Length	mm	10288
		in	405.0
4	Reach with Forks at Ground Level	mm in	1351 53.2
-		mm	-62
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
		in mm	77.5 886
7	Reach with Fork at Maximum Height	in	34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4625 182.1
40	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5665
10	Overall Height of Fork at Full Lift (top of carnage to ground)	in	223.0
11	Clearance at Full Lift and Max Dump	mm	3012
	· · · · · · · · · · · · · · · · · · ·	in	118.6
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm	2833
		in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
	<b>T</b> 0 1	in kg	3.5 17800
	Tine Capacity	lbs	39231
	Operating Weight	kq	29595
		lbs	65227
	*Negative values indicate below grade		



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



Standardization

# **980 Wheel Loader Specifications**

### **Fork Specifications**

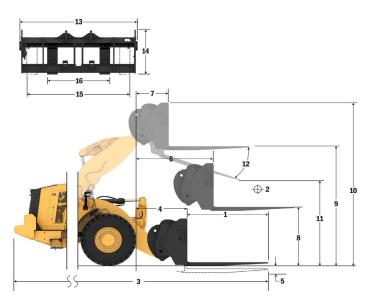
#### **Fork Specifications**

	•		
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	14378 31689
		kg	12744
	Static Tipping Load - Articulated (Forks Level)	lbs	28088
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6372
		lbs	14044
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7646 16853
		kg	8359
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	18422
3	Maximum Overall Length	mm	10593
_		in	417.1
4	Reach with Forks at Ground Level	mm	1351 53.2
		in mm	-62
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
		in	77.5
7	Reach with Fork at Maximum Height	mm	886
	· · · · · · · · · · · · · · · · · · ·	in mm	<u>34.9</u> 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
	Ground to Top of Thic 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 2768
11	Clearance at Full Lift and Max Dump	in	109.0
12	Max Discharge Angle from Horizontal	deg	53
12			
13	Overall Carriage Width	mm	2833
		in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in mm	23.2
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	14800
		lbs	32619
	Operating Weight	kg Ibs	29657 65364
		105	00004

### **980 HL** Construction Fork, FUSION

108" Carriage 72" Tine 520-7968 520-7979

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



\*Negative values indicate below grade

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

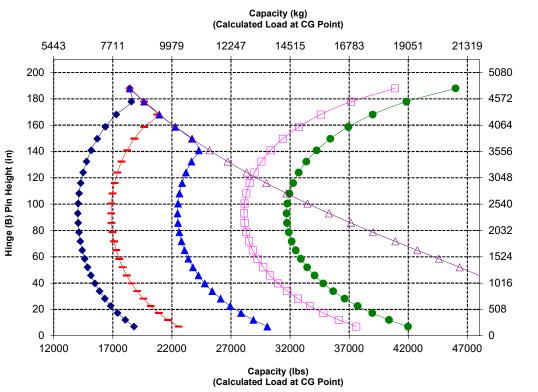
--Static Tipping Load - Straigt

-Hydraulic Tilt Capacity

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

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

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



#### **Fork Specifications**

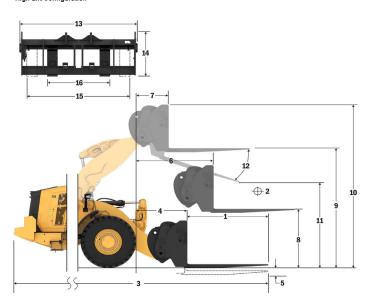
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	13768
		lbs	30345
	Static Tipping Load - Articulated (Forks Level)	k <u>g</u> Ibs	12196 26880
		kg	6098
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	13440
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7318
		lbs	16128
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	7467
		lbs	16457
3	Maximum Overall Length	mm in	10898 429.1
		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
5	Ground to Bollom of The at Minimum Height and Fork Level	in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
_		in	77.5
7	Reach with Fork at Maximum Height	mm	886
	•	in mm	34.9 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
_	One we day Tang of Ting of Maximum Using the industry of Family Land	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
	everal 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	2833
		in	111.5
14	Overall Carriage Height	mm	1130
	5 0	in mm	44.5 2483
15	Outside Tine Width (max spread)	in	2463 97.8
- 10		mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	12700 27991
		kq	29719
	Operating Weight	lbs	65501
			20001

### 980 HL

**Construction Fork, FUSION** 

108" Carriage 84" Tine 520-7968 520-7986

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



\*Negative values indicate below grade

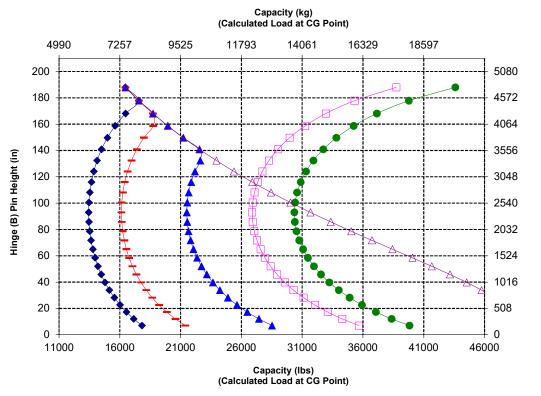
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain)
 Payload (CEN EN 474.3 - Firm & Level)
 Pastatic Tipping Load - Articulated
 Static Tipping Load - Straight

-----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 hydraulic limit.



# **980 Wheel Loader Specifications**

### **Fork Specifications**

#### **Fork Specifications**

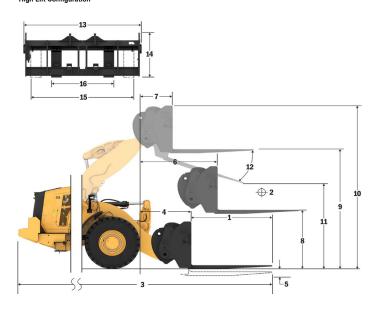
	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	13199 29091
		ka	11685
	Static Tipping Load - Articulated (Forks Level)	lbs	25753
	Rated Load (SAE J1197 - 50% FTSTL)	kg	5842
		lbs	12876
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6727 14826
	Data di ana di (OEN EN 474 0 Eine an di avad Orave di 200% ETOTI )	kg	6727
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14826
3	Maximum Overall Length	mm	11202
	maximam o foran Eorigan	in	441.0
4	Reach with Forks at Ground Level	mm in	1351 53.2
		mm	-62
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-2.4
6	Reach with Arms Horizontal and Forks Level	mm	1970
		in	77.5
7	Reach with Fork at Maximum Height	mm	886
	-	in mm	34.9 2135
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4625
		in	182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5665 223.0
		mm	223.0
11	Clearance at Full Lift and Max Dump	in	89.8
12	Max Discharge Angle from Horizontal	deg	53
		0	
13	Overall Carriage Width	mm in	2833 111.5
		mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
		in	97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
		mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg	11300
		lbs kg	24905 29782
	Operating Weight	lbs	65640
			200.0

## 980 HL

108" Carriage 96" Tine 520-7968 520-7981

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

**Construction Fork, FUSION** 



\*Negative values indicate below grade

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

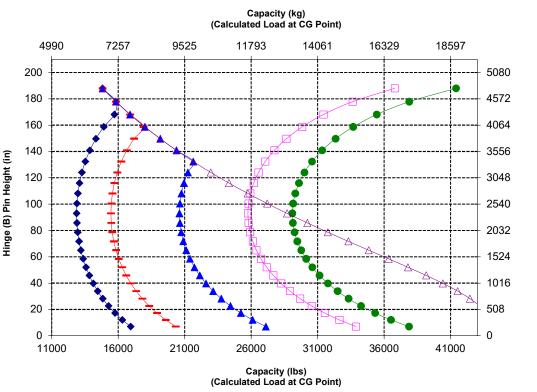
-----Hydraulic Lift Capacity

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

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

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

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



Hinge (B) Pin Height (mm)

#### Fork Specifications

-Payload (SAE J1197)

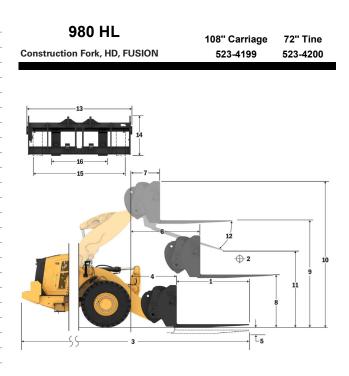
-Payload (CEN EN 474-3 - Rough Ter Pavload (CEN EN 474-3 - Firm & Level

-Hydraulic Tilt Capacity

+ Hydraulic Lift Capacity

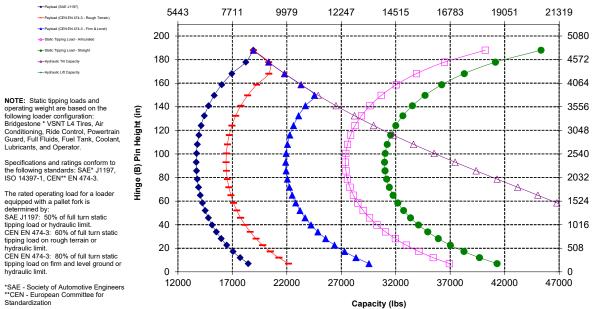
Lubricants, and Operator.

• •			
1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
-	Load Certier	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	14048
		lbs ka	30961 12414
	Static Tipping Load - Articulated (Forks Level)	lbs	27362
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6207
		lbs	13681
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7449 16417
		ka	8586
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	18924
3	Maximum Overall Length	mm	10612
-		in	417.8 1371
4	Reach with Forks at Ground Level	mm in	54.0
F	*Cround to Bottom of Ting at Minimum Height and Fark Lavel	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
-		in mm	77.5 885
7	Reach with Fork at Maximum Height	in	34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2097
	Ground to rop of three with Arms honzontal and fork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4586 180.5
		mm	5630
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	221.6
11	Clearance at Full Lift and Max Dump	mm	2674
		in	105.3
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in mm	<u>111.1</u> 1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
15		in	103.4
16	Outside Tine Width (min spread)	mm	747
	, , , , , , , , , , , , , , , , , , ,	in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
		in	3.3
	Tine Capacity	ka Ibs	18700 41215
		kg	30095
	Operating Weight	lbs	66329
	*Negative values indicate below grade		
	5		



Hinge (B) Pin Height (mm)

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



Capacity (Ibs) (Calculated Load at CG Point)



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

#### Fork Specifications

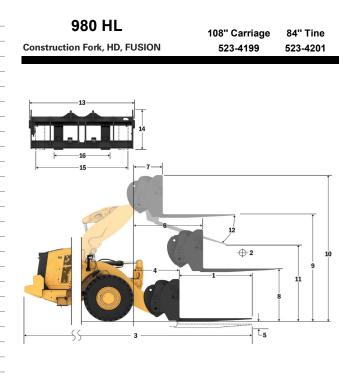
Lubricants, and Operator.

-----Hydraulic Lift Capacit

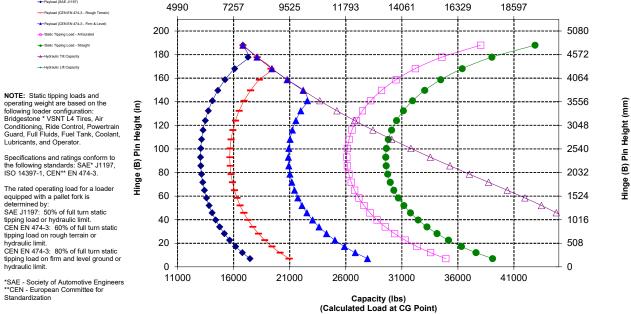
-Payload (CEN EN 474-3 - Rough Te 

-O-Static Tipping Load - Articulated Static Tipping Load - Straight

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in kg	42.0
	Static Tipping Load - Straight (Forks Level)	lbs	29553
	Static Tipping Load - Articulated (Forks Level)	kg	11838
		lbs kg	26090 5919
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	13045
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7103
		lbs kg	15654 7633
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	16824
3	Maximum Overall Length	mm	10921
		in mm	429.9 1374
4	Reach with Forks at Ground Level	in	54.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-96
		in mm	- <u>3.8</u> 1969
6	Reach with Arms Horizontal and Forks Level	in	77.5
7	Reach with Fork at Maximum Height	mm	885
<u> </u>	Ū	in	34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4591
		in	180.7 5630
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	221.6
11	Clearance at Full Lift and Max Dump	mm	2418
	•	in	95.2
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
	•	in mm	<u>111.1</u> 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
	( <b>C</b> )	in	9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kq	17729
		lbs	39075
	Operating Weight	ka Ibs	30197 66554
	*Negative values indicate below grade	103	00004
	ivegalive values indicate below grade		



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





hydraulic limit.

Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

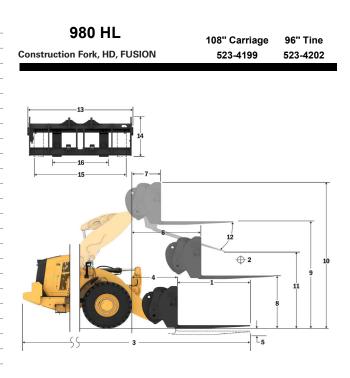
-Payload (CEN EN 474-3 - Rough Ter Pavload (CEN EN 474-3 - Firm & Level

-Hydraulic Tilt Capacity + Hydraulic Lift Capacity

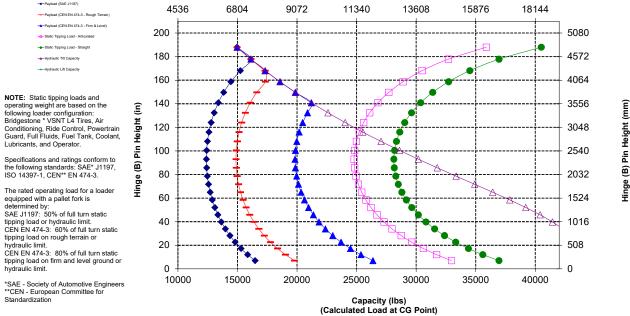
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

Lubricants, and Operator.

1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Otatio Timping Lond, Otaciaht (Feeler Lough)	in kg	48.0 12757
	Static Tipping Load - Straight (Forks Level)	lbs	28117
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	11245 24783
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	5622 12392
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6747 14870
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6791 14967
3	Maximum Overall Length	mm in	11229 442.1
4	Reach with Forks at Ground Level	mm	1378
		in mm	<u>54.2</u> -94
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm in	1974 77.7
7	Reach with Fork at Maximum Height	mm	890
	Ū	in mm	35.0 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 in	4593 180.8
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 in	2159 85.0
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm	2821
		in mm	<u>111.1</u> 1127
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm in	2629
40	Quitaida Tina Width (min annad)	mm	103.5 747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg	15750
		lbs kg	34713 30348
	Operating Weight	lbs	30348 66887
	*Negative values indicate below grade		



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





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

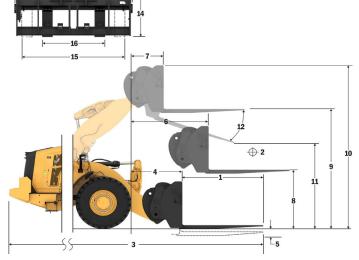
# **980 Wheel Loader Specifications**

### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	17381 38307
	Statia Tinning Load Articulated (Forka Lough)	kg	15118
	Static Tipping Load - Articulated (Forks Level)	lbs	33321
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7559
		lbs	16660
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	9071 19992
	Detail and (OEN EN 474.0 Firms and Lavel One and . 200/ FTOTI.)	ka	9398
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	20714
3	Maximum Overall Length	mm	10139
		in	399.2
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
6	Reach with Arms Horizontal and Forks Level	mm	1809
		in	71.2
7	Reach with Fork at Maximum Height	mm	883
	•	in mm	<u>34.7</u> 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
		in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in mm	<u>199.5</u> 2893
11	Clearance at Full Lift and Max Dump	in	113.9
12	Max Discharge Angle from Horizontal		45
12		deg	
13	Overall Carriage Width	mm	2217
	•	in mm	87.3 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
15		in	81.5
16	Outside Tine Width (min spread)	mт	470
		in mm	<u>18.5</u> 150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
-	Tine Capacity	kg	6300
	····	lbs	13885
	Operating Weight	kg Ibs	29675 65403
		ips	00403

980 AGG	2x 130 mm HE Tilt Cylinders			
500 AGG	87" Carriage	60" Tine		
Pallet Fork, FUSION	87" Carriage 60" Tine	548-3265		
·13→				



\*Negative values indicate below grade

Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terrain)
 Payload (CEN EN 474-3 - Firm & Level)
 -e-Static Tipping Load - Articulated

---Static Tipping Load - Straigh

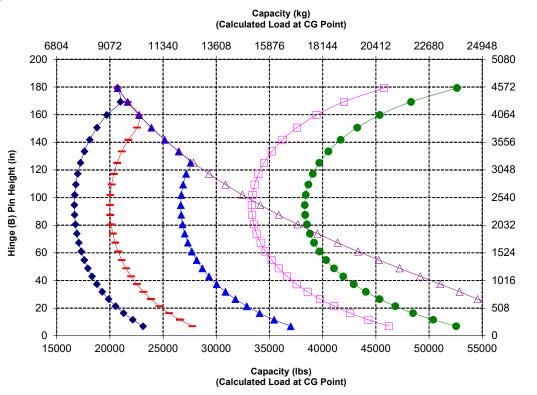
-A-Hydraulic Tilt Capacity

-Hydraulic Lift Capacity

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

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

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.



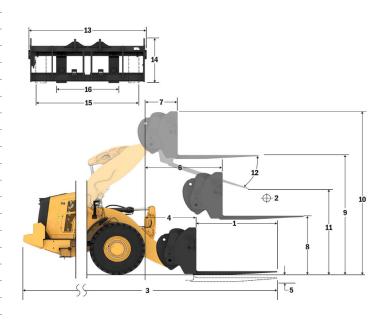
#### **Fork Specifications**

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

# 980 AGG

Pallet Fork, FUSION

2x 130 mm HE Tilt Cylinders 87" Carriage 72" Tine 530-1861 530-1869



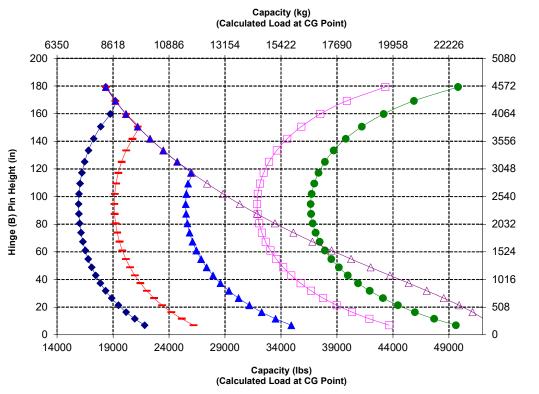
\*Negative values indicate below grade

Projecad (SAE J1197)
 Projecad (SAE J1197)
 Projecad (CEN EN 474.3 - Rough Terrain)
 Projecad (CEN EN 474.3 - Firm & Level)
 Projecad (CEN EN 474.3 - Firm & Level)

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.

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# **980 Wheel Loader Specifications**

### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Edad Genter	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	17940
		lbs kg	<u>39541</u> 15567
	Static Tipping Load - Articulated (Forks Level)	lbs	34311
		kg	7784
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	17155
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	9340
		lbs	20586
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	11289
	, , , , , , , , , , , , , , , , , , ,	lbs	24881
3	Maximum Overall Length	mm in	9777 384.9
		mm	1141
4	Reach with Forks at Ground Level	in	44.9
-	*One wilds Detters of Time at Minimum Height and Fault 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
		in	70.7
7	Reach with Fork at Maximum Height	mm	870
	· · · · · · · · · · · · · · · · · · ·	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in mm	84.0 4403
9	Ground to Top of Tine at Maximum Height and Fork Level	in	173.4
40		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	3074
		in	121.0
12	Max Discharge Angle from Horizontal	deg	51
	5 0	0	2833
13	Overall Carriage Width	mm in	2033
		mm	1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2493
15	Outside Tille Widtit (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1 90.0
	Tine Thickness	mm in	90.0 3.5
	<b>T</b> 0 "	kg	22200
	Tine Capacity	lbs	48929
	Operating Weight	kg	30037
	Operating weight	lbs	66201

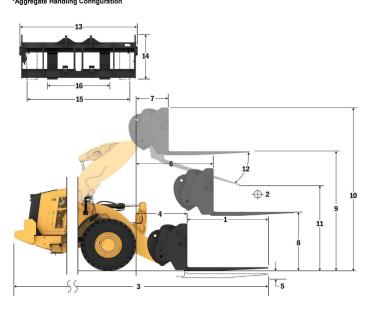
#### 980 AGG

**Construction Fork, FUSION** 

108" Carriage 48" Tine 520-7968

520-7985

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



\*Negative values indicate below grade

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

Payload (CEN EN 474-3 - Firm & Level

Tipping Load - Artic

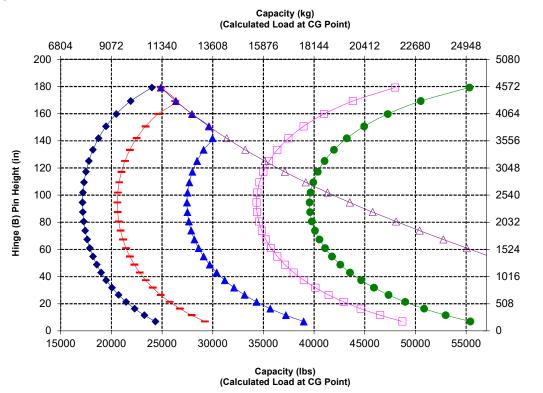
ng Load - Straigh

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

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

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

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



Hinge (B) Pin Height (mm)

#### Fork Specifications

-Payload (SAE J1197)

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

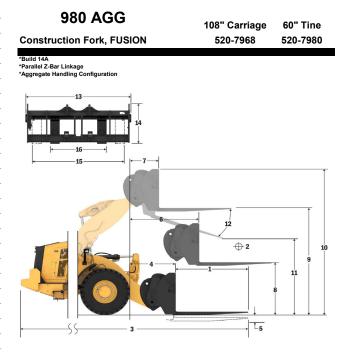
Static Tipping Load - Straight -Hydraulic Tilt Capacity -Hydraulic Lift Capacity

Lubricants, and Operator.

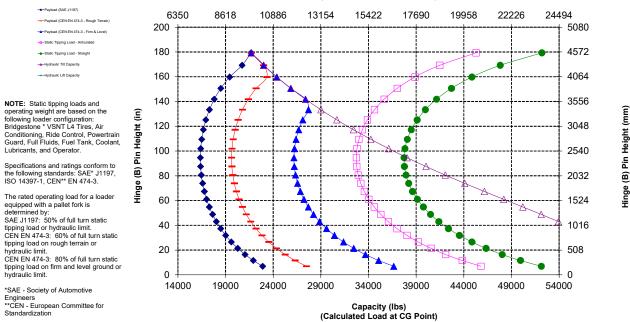
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
-		in	30.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	17114 37718
	Otatia Tinaina I and Anticulated (Forder Laws)	kg	14842
	Static Tipping Load - Articulated (Forks Level)	lbs	32713
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7421
	· ,	lbs kg	16356 8905
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	19628
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	9839
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F131E)	lbs	21685
3	Maximum Overall Length	mm	10082
		in mm	<u>396.9</u> 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
	Cround to Bottom of The at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in mm	70.7 870
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
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
40	Our well the index of Facility of Facility (from of complete the second d)	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	2835
		in	111.6
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in mm	<u>111.5</u> 1130
14	Overall Carriage Height	in	44.5
15	Outside Tine Width (max spread)	mm	2483
15		in	97.8
16	Outside Tine Width (min spread)	mm	590
		in mm	23.2
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	ka	17800
		lbs ka	39231 30099
	Operating Weight	lbs	66338
	*Negative values indicate below grade		50000
	Negauve values illuidate below grade		



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





Standardization

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

#### Fork Specifications

-Payload (SAE J1197)

Payload (CEN EN 474-3 - Rough Ter

Static Tipping Load - Straight -Hydraulic Tilt Capacity

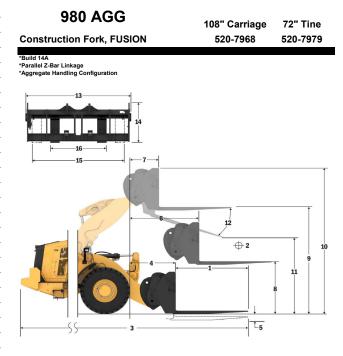
-Hydraulic Lift Capacity

Lubricants, and Operator.

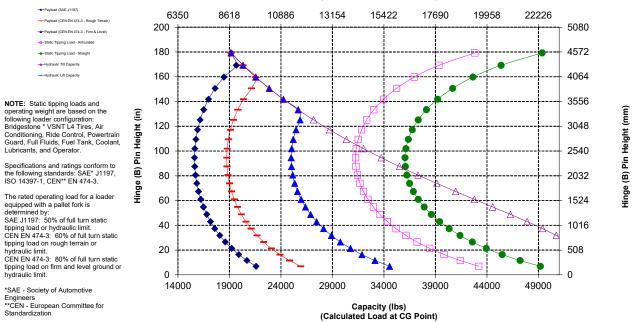
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	915
	Edad Center	in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	16347
		kg	36029 14170
	Static Tipping Load - Articulated (Forks Level)	lbs	31231
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7085
		lbs	15615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8502 18738
		kg	8691
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19155
3	Maximum Overall Length	mm	10387
		in	408.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
-	*One we day Battana of Time at Minimum Using the and Facility and	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
		in	70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
_	One week to Take of Time with Americal states and Facility I average	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
		in	173.4 5443
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm 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
		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 97.8
		in mm	590
16	Outside Tine Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm in	90.0 3.5
	The Oracette	kg	14800
	Tine Capacity	lbs	32619
	Operating Weight	ka	30161
		lbs	66474
	*Negative values indicate below grade		



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





Standardization

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

#### **Fork Specifications**

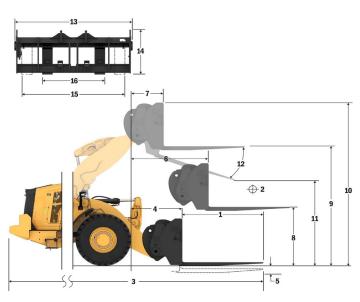
	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Load Cerner	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15637
		lbs kq	34463 13546
	Static Tipping Load - Articulated (Forks Level)	lbs	29855
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6773
	Raled Load (SAE 31197 - 30 /01131E)	lbs	14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7759
	· · · · ·	lbs ka	<u>17102</u> 7759
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17102
2	Maximum Querall Langth	mm	10692
3	Maximum Overall Length	in	420.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
_		mm	1797
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
		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
	everal height of hork at hair Lift (top of carnage to ground)	in	214.3
11	Clearance at Full Lift and Max Dump	mm	2359
	· ·	in	92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
- 10		in	111.5
14	Overall Carriage Height	mm	1130
		in mm	44.5 2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
10		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1 90.0
	Tine Thickness	mm in	90.0 3.5
	Tine Conseils	kg	12700
	Tine Capacity	lbs	27991
	Operating Weight	kg	30223
		lbs	66611

### 980 AGG

**Construction Fork, FUSION** 

108" Carriage 84" Tine 520-7968 520-7986

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



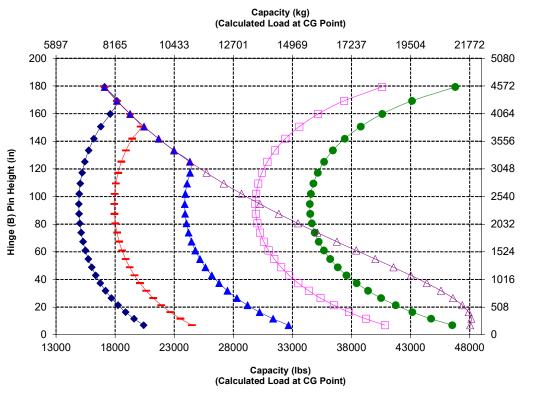
\*Negative values indicate below grade

-Payload (CEN EN 474-3 - Rough Terrain)
Static Tipping Load - Straight
-d-Hydraulic Tilt Capacity
Hydraulic Lift Capacity

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

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

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



# **980 Wheel Loader Specifications**

### **Fork Specifications**

#### **Fork Specifications**

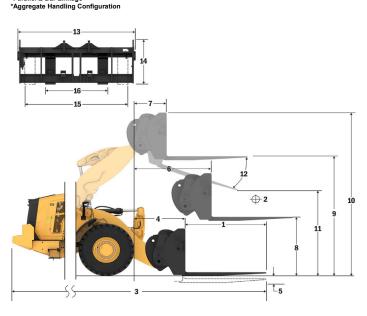
	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
		lbs	33008
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	12965 28575
		kg	6483
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14288
	Detection and (OEN EN 474.0 December 2009/ ETOTIA)	kg	6988
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6988
	Rated Load (CEIN EIN 474-3 FIITH and Level Glound - 60% F131L)	lbs	15401
3	Maximum Overall Length	mm	10996
		in	432.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
	•	in	<u>-2.5</u> 1797
6	Reach with Arms Horizontal and Forks Level	mm in	70.7
		mm	870
7	Reach with Fork at Maximum Height	in	34.2
•	One would be Tan of Time with Americal Indiana to Londo Foods Londo	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
9	Ground to rop of the 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	214.3
11	Clearance at Full Lift and Max Dump	mm	2122
		in	83.5
12	Max Discharge Angle from Horizontal	deg	51
		mm	2833
13	Overall Carriage Width	in	111.5
	0 10 1 11 11	mm	1130
14	Overall Carriage Height	in	44.5
45	Outside Tine Width (max spread)	mm	2483
15	Outside The Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0
		in	3.5 11300
	Tine Capacity	kg Ibs	24905
		kg	30286
	Operating Weight	lbs	66750
		103	30730

### 980 AGG

**Construction Fork, FUSION** 

108" Carriage 96" Tine 520-7968 520-7981

\*Build 14A \*Parallel Z-Bar Linkage



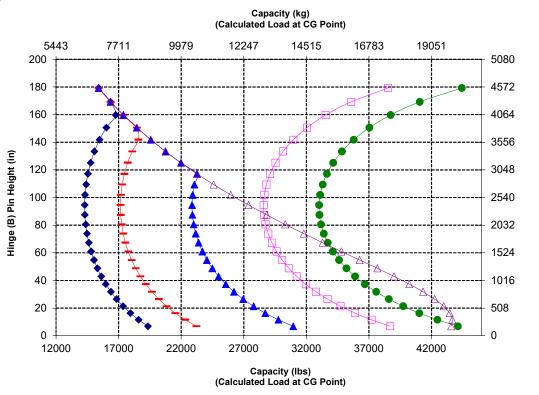
\*Negative values indicate below grade

Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terrain)
 Payload (CEN EN 474-3 - Firm & Level)
 -@-Static Tepring Load - Articulated
 -Satatic Tepring Load - Articulated
 -da-Hydraulic TR Capacity
 --Hydraulic LR Capacity

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

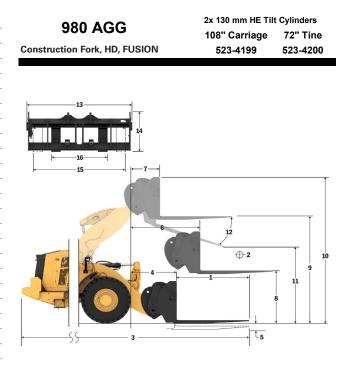
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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



#### Fork Specifications

•••			
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 ka	35309 13844
	Static Tipping Load - Articulated (Forks Level)	lbs	30513
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6922
	Rated Load (SRE J1197 - 50 % F131E)	lbs	15256
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8307
	· · · · · · · · · · · · · · · · · · ·	lbs ka	18308 8905
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	19627
3	Maximum Overall Length	mm	10408
		in	409.8
4	Reach with Forks at Ground Level	mm in	1162 45.8
-		mm	-99
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm	1796
		in	70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
•		mm	2095
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4364
-		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
12	Max Discharge Angle from Horizontal	deg	55
		mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
		in	44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
		mm	747
16	Outside Tine Width (min spread)	in	29.4
	Tine Width (single tine)	mm	250.0
		in	9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Canacity	kg	18700
	Tine Capacity	lbs	41215
	Operating Weight	ka	30599
		lbs	67440
	*Negative values indicate below grade		



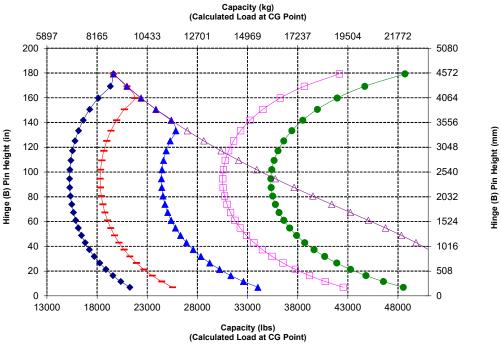


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator Lubricants, and Operator.

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: 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 on tipping load on firm and level ground or hydraulic limit.

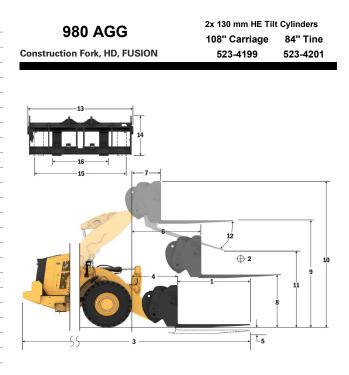
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in kg	42.0
	Static Tipping Load - Straight (Forks Level)	lbs	33680
	Static Tipping Load - Articulated (Forks Level)	kg	13192
		lbs ka	29075 6596
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14537
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7914
	, ,	lbs kg	<u>17442</u> 7914
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17442
3	Maximum Overall Length	mm	10717
	Maximum oronan zongun	in	421.9 1166
4	Reach with Forks at Ground Level	mm in	45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
	Ground to Bottom of the at Minimum Height and Fork Level	in	-3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
-	Dearb with Facts at Maximum Ulainht	mm	869
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2100 82.7
	One we date Taxe of Time at Maximum Unight and Fastel and	in mm	4369
9	Ground to Top of Tine at Maximum Height and Fork Level	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	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
		mm	2821
13	Overall Carriage Width	in	111.1
14	Overall Carriage Height	mm	1129
	5 6	in mm	44.4
15	Outside Tine Width (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
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kq Ibs	17729 39075
	Operating Weight	kg	30701
		lbs	67664



\*Negative values indicate below grade

Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terral
 Payload (CEN EN 474-3 - Firm & Level
 -g-Static Tipping Load - Articulated

Static Tipping Load - Straight	

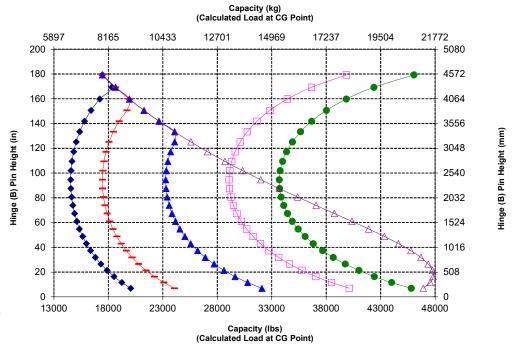
-----Hydraulic Lift Capacity

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

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

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

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





#### Fork Specifications

-Payload (SAE J1197)

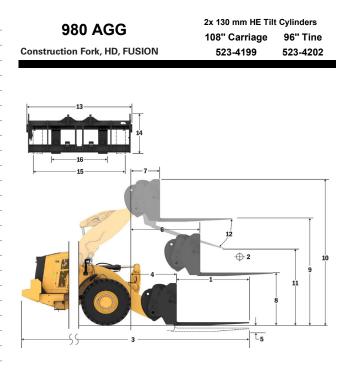
---- Payload (CEN EN 474-3 - Rough Ter

Static Tipping Load - Straight -Hydraulic Tilt Capacity -Hydraulic Lift Capacity

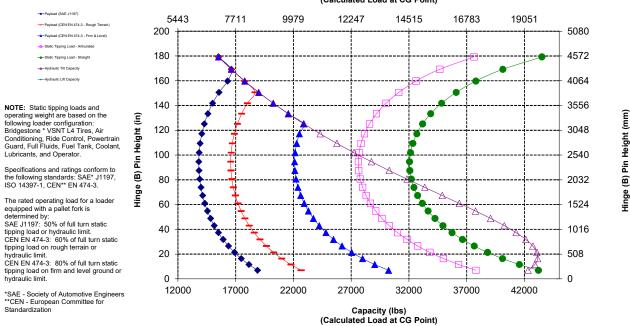
Lubricants, and Operator.

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

ne Length	mm in mm	2438 96.0
pad Center		
		1219
	in kg	48.0
tatic Tipping Load - Straight (Forks Level)	lbs	32041
tatic Tipping Load - Articulated (Forks Level)	kg	12529 27614
ated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6265 13807
ated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7041 15518
ated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7041 15518
laximum Overall Length	mm in	11025 434.1
each with Forks at Ground Level	mm	1170
		<u>46.1</u> -98
Ground to Bottom of Tine at Minimum Height and Fork Level	in	-3.8
each with Arms Horizontal and Forks Level	mm	1801 70.9
each with Fork at Maximum Height	mm	874
5	in	34.4
round to Top of Tine with Arms Horizontal and Fork Level	in	82.7
round to Top of Tine at Maximum Height and Fork Level	mm in	4370 172.1
verall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
learance at Full Lift and Max Dump	mm in	1994 78.5
lax Discharge Angle from Horizontal	deg	55
verall Carriage Width	mm	2821
5		<u>111.1</u> 1127
verall Carriage Height	in	44.4
utside Tine Width (max spread)	mm	2629
	mm	103.5 747
utside Tine Width (min spread)	in	29.4
ine Width (single tine)	mm in	250.0 9.8
ine Thickness	mm in	90.0 3.5
ine Capacity	kq	15750
		34713 30852
perating Weight	lbs	67997
Negative values indicate below grade		
	ated Load (SAE J1197 - 50% FTSTL) ated Load (SAE J1197 - 50% FTSTL) ated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) ated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) aximum Overall Length aach with Forks at Ground Level Ground to Bottom of Tine at Minimum Height and Fork Level each with Fork at Ground Level ach with Fork at Maximum Height round to Top of Tine with Arms Horizontal and Fork Level each with Fork at Maximum Height round to Top of Tine at Maximum Height and Fork Level verall Height of Fork at Full Lift (top of carriage to ground) earance at Full Lift and Max Dump ax Discharge Angle from Horizontal verall Carriage Height utside Tine Width (max spread) utside Tine Width (min spread) ne Width (single tine) ne Thickness ne Capacity perating Weight	Insected Load (SAE J1197 - 50% FTSTL)       Issected Load (SAE J1197 - 50% FTSTL)       Issected Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       Issected Level Ground - 80% FTSTL, FTST

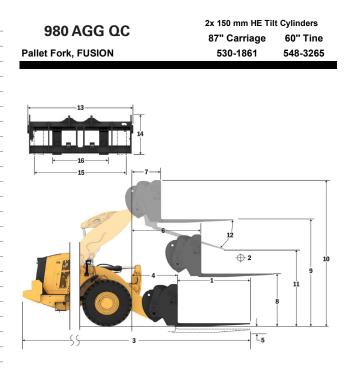


# Capacity (kg) (Calculated Load at CG Point)



#### Fork Specifications

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in kg	30.0 17380
	Static Tipping Load - Straight (Forks Level)	lbs	38305
	Static Tipping Load - Articulated (Forks Level)	kg	15117
		lbs kg	33319 7559
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	16659
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	9070
	· · · · · · · · · · · · · · · · · · ·	lbs kg	19991 12094
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	26655
3	Maximum Overall Length	mm	10139
		in	399.2
4	Reach with Forks at Ground Level	mm in	1199 47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-151
- 9	Ground to Bottom of Time at Minimum Reight and Fork Level	in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm	1809
		in mm	71.2 883
7	Reach with Fork at Maximum Height	in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
		in mm	79.7 4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
	••••••••••••••••••••••••••••••••••••••	in	199.5 2893
11	Clearance at Full Lift and Max Dump	mm in	2093
12	Max Discharge Angle from Horizontal	deg	45
	Max Discharge Angle nom nonzontal	0	
13	Overall Carriage Width	mm in	2217 87.3
4.4	Overall Carriage Height	mm	840
	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
40	Outside Tine Width (min spread)	mm	470
10	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	ka	6300
		lbs kg	13885 29725
	Operating Weight	lbs	65514
	and the state of t		



\*Negative values indicate below grade

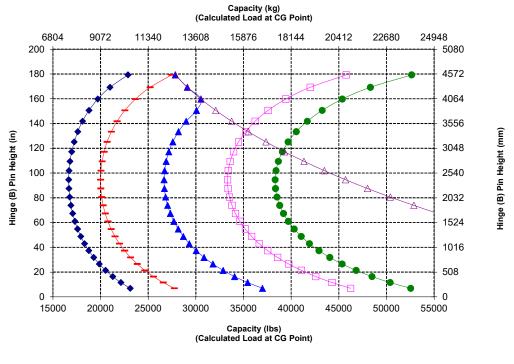
-Payload (SAE J1197)
-Payload (CEN EN 474-3 - Rough Terrair
-O-Static Tipping Load - Articulated

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

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

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

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





#### Fork Specifications

-Payload (SAE J1197)

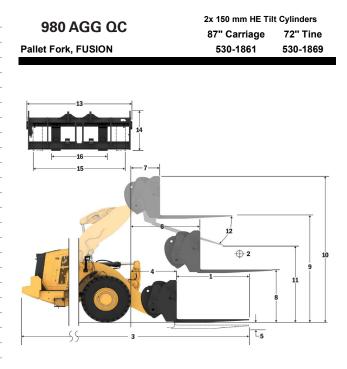
---- Payload (CEN EN 474-3 - Rough Ter

Static Tipping Load - Straight -Hydraulic Tilt Capacity + Hydraulic Lift Capacity

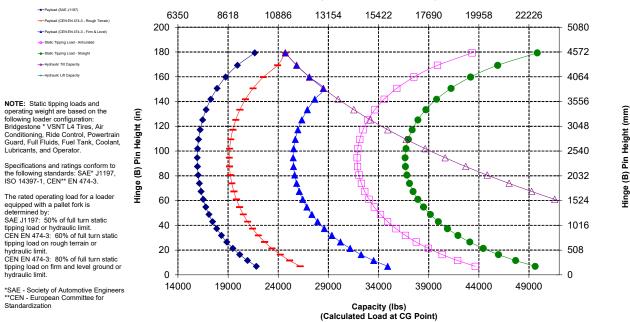
Lubricants, and Operator.

Pavload (CEN EN 474-3 - Firm & Level 

•••			
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
-		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	16621 36633
	Otatia Tinging Land Articulated (Early Laws))	ka	14453
	Static Tipping Load - Articulated (Forks Level)	lbs	31854
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7226
	· · · · ·	lbs kg	15927 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
	Nated Eoad (GEN EN 474-51 IIII and Eevel Glound - 60 /01 161E)	lbs	24701
3	Maximum Overall Length	mm in	10445 411.2
		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
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1809 71.2
7	Reach with Fork at Maximum Height	mm	883
	Reach with Fork at Maximum Fleight	in	34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2024
-		in mm	79.7 4292
9	Ground to Top of Tine at Maximum Height and Fork Level	in	169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5067
		in	199.5
11	Clearance at Full Lift and Max Dump	mm in	2676 105.4
40	May Disabarga Angle from Havizantal		45
12	Max Discharge Angle from Horizontal	deg	-
13	Overall Carriage Width	mm	2217
	-	in mm	87.3 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in kg	2.6 5246
	Tine Capacity	lbs	11562
	Operating Weight	kg	29772
		lbs	65617
	*Negative values indicate below grade		



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





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

#### Fork Specifications

-Payload (SAE J1197)

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

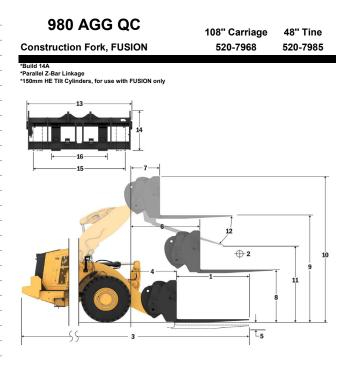
Static Tipping Load - Straight -Hydraulic Tilt Capacity -Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air

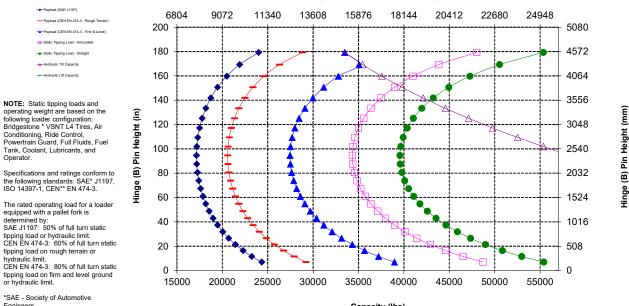
Operator.

Pavload (CEN EN 474-3 - Firm & Level 

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Load Genter	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	17940 39539
	Otatio Timeira I and Articulated (Feder Laws))	kg	15566
	Static Tipping Load - Articulated (Forks Level)	lbs	34308
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7783
		lbs ka	17154 9340
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	20585
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	12453
	Rated Eoad (CEN EN 474-3 Filli and Level Glound - 80% F131E)	lbs	27447
3	Maximum Overall Length	mm in	9777 384.9
		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
	Ground to Bottom of Thie at Minimum Height and Fork Level	in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in mm	70.7 870
7	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2135
		in	84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
40	Our well the indust of Family at Family if the state of a series of the	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	3074
		in	121.0
12	Max Discharge Angle from Horizontal	deg	51
12	Overall Carriage Width	mm	2833
13		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2493
15	Outside Tine Width (max spread)	in	98.1
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	The Thislesson	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	ka	22200
		lbs	48929
	Operating Weight	ka Ibs	30087 66312
	*Negative values indicate below grade		00012
	*Negative values indicate below grade		



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



Capacity (Ibs) (Calculated Load at CG Point)



Standardization

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

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

#### **Fork Specifications**

1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in kg	<u>30.0</u> 17113
	Static Tipping Load - Straight (Forks Level)	lbs	37717
	Static Tipping Load - Articulated (Forks Level)	kg	14842
	State hpping Load - Antoniated (1 5163 Level)	lbs	32711
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7421 16355
	Detection and (OEN EN 474.0 December 2009/ ETOTIA)	kq	8905
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	19626
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	11873
		lbs	26169 10082
3	Maximum Overall Length	mm in	396.9
4	Reach with Forks at Ground Level	mm	1141
4	Reach with Forks at Ground Level	in	44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-65
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
-	Dearbraith Frak at Marine Usinkt	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
	•	in	84.0 4403
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	173.4
40	Overall Light of Fark at Full Lift (ten of corrigge 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	2835
	•	in	111.6
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
		in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thiskness	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17800
		lbs	39231
	Operating Weight	kg Ibs	30149 66448
		105	00-40

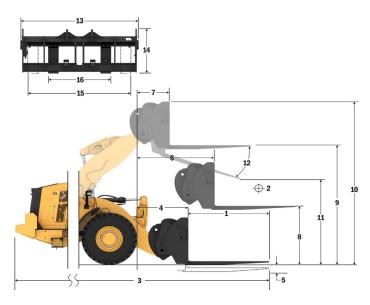
### 980 AGG QC

**Construction Fork, FUSION** 

#### 108" Carriage 60" Tine 520-7968 520-7980

\*Build 14A

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



\*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 Toping Load - Straight

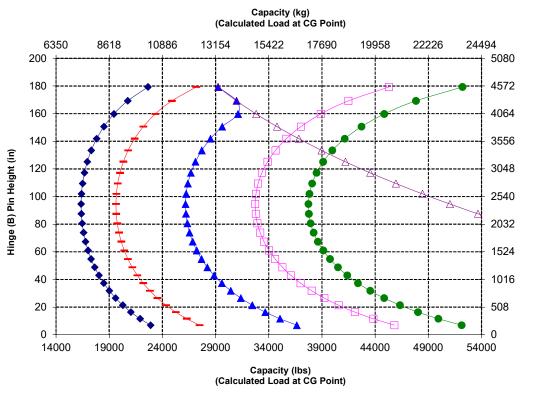
-d-Hydraulic Tilt Capacity

----Hydraulic Lift Capacity

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

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

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



#### Fork Specifications

-Payload (SAE J1197)

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

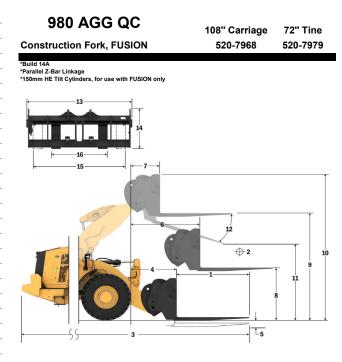
Static Tipping Load - Straight -Hydraulic Tilt Capacity -Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone<sup>1</sup> VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator

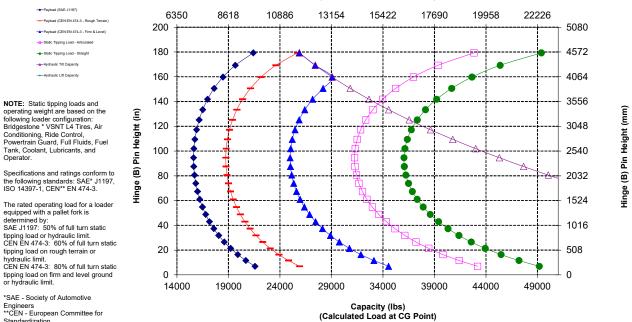
Operator.

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

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 kg	36028 14169
	Static Tipping Load - Articulated (Forks Level)	lbs	31229
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7085
	Rated Load (SRE 51197 - 50 % FISTE)	lbs	15614
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8501
	, <b>,</b> ,	lbs kg	18737 11335
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	24983
2	Maximum Quarall Langth	mm	10387
3	Maximum Overall Length	in	408.9
4	Reach with Forks at Ground Level	mm	1141
		in	44.9 -65
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-05
	Deach with America I and and Earlie Laws	mm	1797
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	870
<u> </u>		in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
-		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
		in	214.3
11	Clearance at Full Lift and Max Dump	mm in	2597 102.3
	· · · · · · · · · · · · · · · · · · ·		
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
-13	overall carriage width	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
-10	Outside The Width (min spread)	in	23.2
	Tine Width (single tine)	mm	180.0
	( )	in mm	7.1 90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	14800
		lbs	32619
	Operating Weight	ka	30211
		lbs	66585
	*Negative values indicate below grade		



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





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

#### **Fork Specifications**

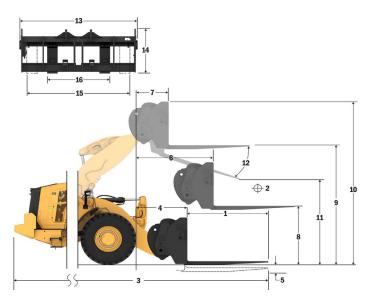
'n	-	
	nm in	2134 84.0
	nm	1067
-	in	42.0
	kg bs	15636 34462
	kg	13545
	bs	29853
	kg	6773 14927
	bs ka	8127
	bs	17912
	ka	10508
	bs	23160 10692
	nm in	420.9
	nm	1141
4 Reach with Forks at Ground Level	in	44.9
	nm	-65
	in nm	<u>-2.5</u> 1797
	in	70.7
	nm	870
	in	34.2
	nm	2135
	in nm	84.0 4403
	in	173.4
	nm	5443
	in	214.3
TT Clearance at Full Lill and Max Dumb	nm in	2359 92.9
12 Max Discharge Angle from Horizontal	leg	51
	nm	2833
	in nm	<u>111.5</u> 1130
	in	44.5
	nm	2483
	in	97.8
	nm in	590 23.2
n	nm	180.0
	in	7.1
Ine Inickness	nm	90.0
	in kg	3.5
	bs	27991
	kg	30273
	bs	66721

### 980 AGG QC Construction Fork, FUSION

#### 108" Carriage 84" Tine 520-7968 520-7986

\*Build 14A

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



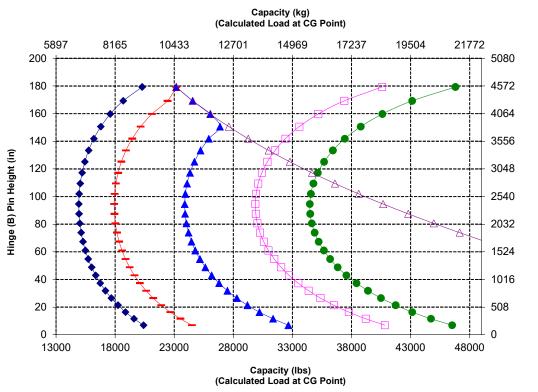
\*Negative values indicate below grade

Payload (BAE J1197)
 Payload (BAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain)
 Payload (CEN EN 474.3 - Film & Level)
 Static Tipping Load - Attoutated
 Static Tipping Load - Attoutated
 physicalic TRI Capacity
 ---Hydraulic TRI Capacity

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

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

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



#### **Fork Specifications**

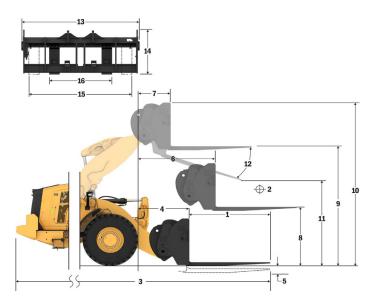
	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14976
		lbs	33007
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	12965 28574
		kg	6482
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	14287
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7779
		lbs	17144
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka	9491
	· · · · · · · · · · · · · · · · · · ·	lbs mm	20919 10996
3	Maximum Overall Length	in	432.9
-	Dearch with Faulty at One will avail	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
		in	-2.5
6	Reach with Arms Horizontal and Forks Level	mm	1797
		in	70.7 870
7	Reach with Fork at Maximum Height	mm in	34.2
•	Organized to Tan of Ting with Arms Havissontal and Fark Laval	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
		in	173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5443
		in mm	214.3 2122
11	Clearance at Full Lift and Max Dump	in	83.5
40	Mary Diasharma Angla franchian ta		
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2833
	••••••••••••••••••	in	111.5
14	Overall Carriage Height	mm in	1130 44.5
		mm	2483
15	Outside Tine Width (max spread)	in	97.8
16	Outside Tine Width (min spread)	mm	590
		in	23.2
	Tine Width (single tine)	mm	180.0
		in	7.1
	Tine Thickness	mm	90.0 3.5
		in ka	11300
	Tine Capacity	lbs	24905
	Operating Weight	kg	30336
		lbs	66860
			-

### 980 AGG QC Construction Fork, FUSION

#### 108" Carriage 96" Tine 520-7968 520-7981

\*Build 14A

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



\*Negative values indicate below grade

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

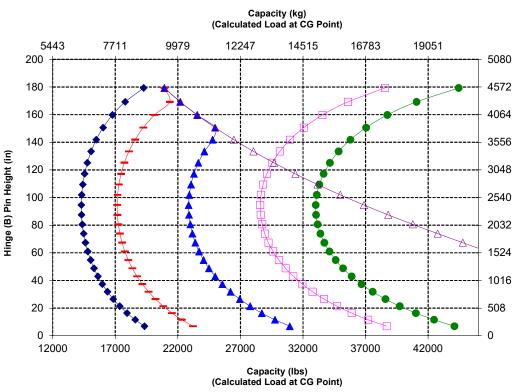
-A-Hydraulic Tilt Capacity

-+-Hydraulic Lift Capacity

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

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

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.

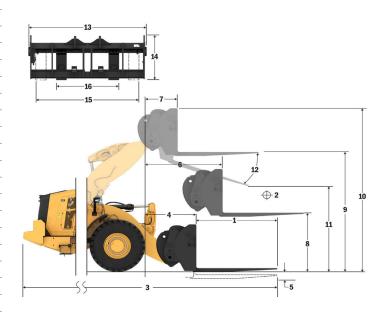


#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
		in ka	<u>36.0</u> 16020
	Static Tipping Load - Straight (Forks Level)	kg Ibs	35307
	Static Tipping Load - Articulated (Forks Level)	kg	13843
	Static Tipping Load - Anticulated (1 GINS Level)	lbs	30511
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6922 15255
		kq	8306
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	18307
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kq	11075
		lbs	24409 10408
3	Maximum Overall Length	mm in	409.8
4	Reach with Forks at Ground Level	mm	1162
4	Reach with Forks at Ground Level	in	45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-99
	Ũ	in mm	-3.9 1796
6	Reach with Arms Horizontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	Reach with Fork at Maximum Height	in	34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2095
		in mm	82.5 4364
9	Ground to Top of Tine at Maximum Height and Fork Level	in	171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407
	overall height of horit at hair Ent (top of carnage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm in	2498 98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm	2821
	•	in	111.1
14	Overall Carriage Height	mm in	1129 44.4
45	Outside Tine Width (max spread)	mm	2627
15		in	103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
		mm	250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm	85.0
		in ka	3.3 18700
	Tine Capacity	kg Ibs	41215
	On existing Weight	kq	30649
	Operating weight	lbs	67550
	Operating Weight		

# 980 AGG QC 2x 150 980 AGG QC 108" ( Construction Fork, HD, FUSION 523

2x 150 mm HE Tilt Cylinders		
108" Carriage	72" Tine	
523-4199	523-4200	

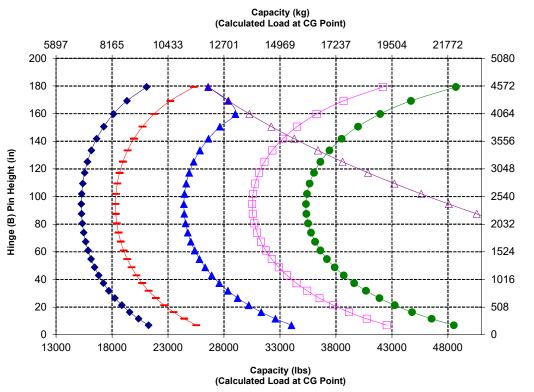


\*Negative values indicate below grade

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.

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

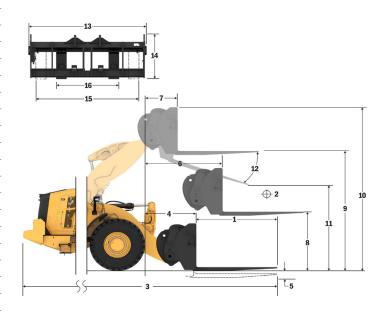
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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



#### **Fork Specifications**

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
	Eoad Center	in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	15281
		lbs kg	<u>33678</u> 13191
	Static Tipping Load - Articulated (Forks Level)	lbs	29073
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6595
		lbs	14536
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7915
		lbs ka	<u>17444</u> 10553
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	23258
3	Maximum Overall Length	mm	10717
		in	421.9
4	Reach with Forks at Ground Level	mm	1166
		in mm	<u>45.9</u> -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 Honzontal and Forks Level	in	70.7
7	Reach with Fork at Maximum Height	mm	869
	•	in mm	34.2 2100
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4369
		in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5407 212.9
		in mm	212.9
11	Clearance at Full Lift and Max Dump	in	88.5
12	Max Discharge Angle from Horizontal	deg	55
		-	
13	Overall Carriage Width	mm	2821 111.1
		in mm	1129
14	Overall Carriage Height	in	44.4
15	Outside Tine Width (max spread)	mm	2627
		in	103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	$\mathbf{T}_{in} = \mathbf{M}(\mathbf{i}_{i}, \mathbf{h}_{i}, \mathbf{h}_{i}, \mathbf{h}_{i}, \mathbf{h}_{i})$	mm	250.0
	Tine Width (single tine)	in	9.8
_	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	17729 39075
		kg	30751
	Operating Weight	lbs	67775

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



\*Negative values indicate below grade

--Payload (SAE J1197)
 --Payload (CEN EN 474-3 - Rough Terrain)
 --Payload (CEN EN 474-3 - Firm & Level)
 --D-Static Tipping Load - Articulated
 ---Static Tipping Load - Straight

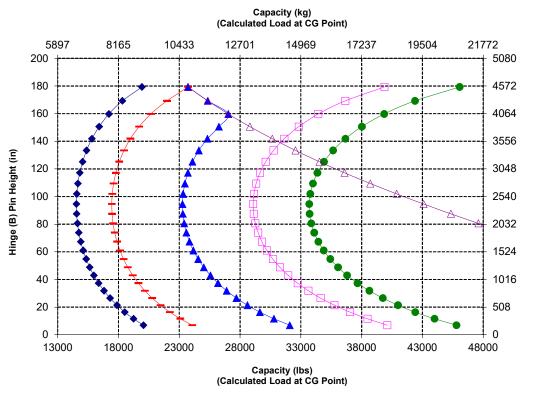
-A-Hydraulic Tilt Capacity

----Hydraulic Lift Capacity

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

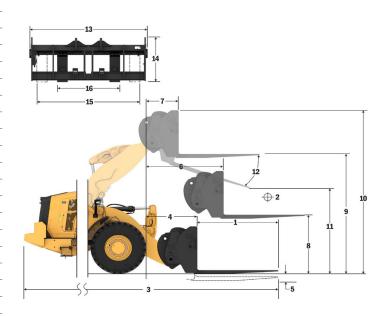


#### **Fork Specifications**

1	Tine Length	mm	2438 96.0
	Land Oration	in mm	1219
2	Load Center	in	48.0
	Static Tipping Load - Straight (Forks Level)	kg	14537
		lbs	32039
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	12528 27612
		kg	6264
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	13806
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	7517
	······································	lbs	16567
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	ka Ibs	9628 21221
_		mm	11025
3	Maximum Overall Length	in	434.1
4	Reach with Forks at Ground Level	mm	1170
		in	46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-98 -3.8
		mm	1801
6	Reach with Arms Horizontal 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	2102
		in mm	82.7 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 fleight of Fork at Full Lift (top of carnage to ground)	in	212.9
11	Clearance at Full Lift and Max Dump	mm	1994
	· ·	in	78.5
12	Max Discharge Angle from Horizontal	deg	55
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
		in	29.4
	Tine Width (single tine)	mm	250.0
	( <b>•</b> )	in mm	9.8
	Tine Thickness	in	3.5
	Tine Capacity	kg	15750
		lbs	34713
	Operating Weight	kg	30902
		lbs	68108

### 980 AGG QC Construction Fork, HD, FUSION

2x 150 mm HE Tilt Cylinders 108" Carriage 96" Tine 523-4199 523-4202



\*Negative values indicate below grade

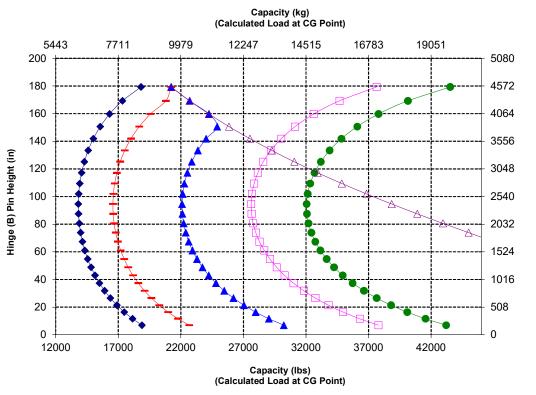
Payload (SAE J1197)
 Payload (CEN EN 474-3 - Rough Terrain)
 Payload (CEN EN 474-3 - Rough Terrain)
 Payload (CEN EN 474-3 - Firm & Level)
 -g-Static Tipping Load - Articulated

----Hydraulic Lift Capacity

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

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

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



### **Standard and Optional Equipment**

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

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

\* Not available in all languages

\*\* Standard where mandated

\*\*\* Not Compatible with roading arrangements

	Standard	Optional
HYDRAULICS	otunuuru	optional
Implement system, load sensing with	✓	
variable displacement piston pump		
Steering system, load sensing with	$\checkmark$	
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	$\checkmark$	
Turbine, air precleaner		$\checkmark$
Radiator, high debris		$\checkmark$
Cooling fan, reversible		$\checkmark$
Axles, open differentials	$\checkmark$	
Axles, limited slip differential(s)		$\checkmark$
Axles, ecology drains, AOC ready,		$\checkmark$
extreme temperature seals		
Axles, oil cooler		$\checkmark$
Transmission, planetary, automatic	$\checkmark$	
power shift		
Torque converter with lock-up Heavy-duty transmission	•	✓
	✓	•
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	•	
Integrated Braking System (IBS)	$\checkmark$	
Park brake, caliper on front axles, spring	✓	
applied-pressure released		
ELECTRICAL		
Starting and charging system, 24V	$\checkmark$	
Starter, electric, heavy-duty	$\checkmark$	
Cold start, 120V or 240V		$\checkmark$
Lights: halogen, 4 work lights, 2 front	$\checkmark$	
roading lights with turn signals, 2 rearview lights		
Lights: LED		~
Seat belt monitoring beacon		✓
Warning beacon		✓
Reversing strobe lights***		✓

(continued on next page)

### Standard and Optional Equipment (continued)

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

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

SPECIAL CONFIGURATIONS         Aggregate handler         Waste and scrap         Forestry         Steel mill	ard Optio	nal
Waste and scrap Forestry		
Forestry	$\checkmark$	
	√	
Steel mill	√	
	√	
Block handler	√	

\* Not available in all languages

\*\* Standard where mandated

\*\*\* Not Compatible with roading arrangements



# **980** *Waste & Scrap Handler*

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

### **Proven Reliability**

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

### Durability

- Waste and scrap handler package adds additional steel guards all around the machine to protect your investment and keep debris out of the implement valve and engine compartments.
- Heavy-duty steel cable lower steps stand up to the harshest of conditions.
- Heavy-duty transmission and axles designed to handle extreme applications.
- Automatic planetary powershift (4F/4R) transmission features durable, long-lasting components.

### **Superior Fuel Efficiency & Productivity**

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

### **Safety Features**

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

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

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

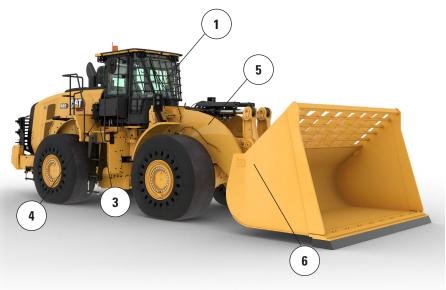
### Work in Comfort in the All New Cab

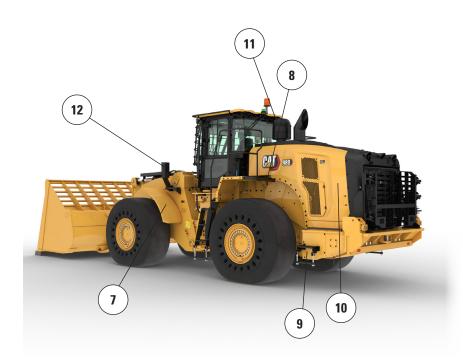
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurize the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab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

# 980 Waste & Scrap Handler Specifications

### 980 Waste & Scrap Handler Specifications

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





- 7. Narrow front steel fenders help to keep the windshield clean and are set inboard of the outer edge of the tire for added protection
- 8. Optional rear guard protects the rear grill and cooling package from impact
- 9. Heavy-duty steel cable lower steps stand up to the harshest conditions
- 10. Optional variable pitch fan and high debris cooling cores help to keep the cooling package clean
- 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	29.5-25	29.5-25	29.5-25
Tread Type	Solid	L4	L5	L–5
Tread Pattern	Traction/Smooth	XLDD1	XLDD2	XMINED2
Width over Tires – Maximum (empty)*	3216 mm 10'7"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"
Width over Tires – Maximum (loaded)*	3230 mm 10'8"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		-16 mm -0.6"	-15 mm -0.6"	-4 mm -0.2"
Change in Horizontal Reach		-31 mm -1.2"	-28 mm -1.1"	-28 mm -1.1"
Change in Clearance Circle to Outside of Tires		72 mm 2.8"	67 mm 2.6"	64 mm 2.5"
Change in Clearance Circle to Inside of Tires		-72 mm -2.8"	-67 mm -2.6"	-64 mm -2.5"
Change in Operating Weight (without Ballast)		-5928 kg -13,071 lb	-5564 kg -12,269 lb	-5240 kg -11,554 lb
Change in Static Tipping Load – Straight		-4508 kg -9,941 lb	-4231 kg -9,330 lb	-3985 kg -8,787 lb
Change in Static Tipping Load – Articulated		-3924 kg -8,653 lb	-3683 kg -8,122 lb	-3469 kg -7,649 lb
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"
*Width over tire bulge and includes tire growth.				

Width over tire bulge and includes tire growth.

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

\*Width over tire bulge and includes tire growth.

# 980 Waste & Scrap Handler Specifications

### **Tire Options**

Tire Brand	Maxam	Maxam	Maxam	Michelin
Tire Size	29.5-25	29.5-25	29.5-25	29.5-25
Tread Type	L–3	L-4	L5	L–3
Tread Pattern	MS302	MS405DX	MS503	XHA2
Width over Tires – Maximum (empty)*	3270 mm	3256 mm	3268 mm	3270 mm
	10'9"	10'9"	10'9"	10'9"
Width over Tires – Maximum (loaded)*	3290 mm	3282 mm	3304 mm	3296 mm
	10'10"	10'10"	10'11"	10'10"
Change in Vertical Dimensions	-28 mm	-42 mm	-15 mm	-49 mm
(average of front and rear)	-1.1"	-1.7"	-0.6"	-1.9"
Change in Horizontal Reach	-25 mm	-12 mm	-33 mm	-8 mm
	-1"	-0.5"	-1.3"	-0.3"
Change in Clearance Circle to Outside of Tires	60 mm	52 mm	75 mm	66 mm
	2.4"	2.1"	2.9"	2.6"
Change in Clearance Circle to Inside of Tires	-60 mm	-52 mm	-75 mm	-66 mm
	-2.4"	-2.1"	-2.9"	-2.6"
Change in Operating Weight (without Ballast)	-6300 kg	-6160 kg	-5520 kg	-6472 kg
	-13,892 lb	-13,583 lb	-12,172 lb	-14,271 lb
Change in Static Tipping Load – Straight	-4791 kg	4685 kg	-4198 kg	-4922 kg
	-10,564 lb	10,330 lb	-9,257 lb	-10,853 lb
Change in Static Tipping Load – Articulated	-4171 kg	-4078 kg	-3654 kg	-4284 kg
	-9,196 lb	-8,992 lb	-8,058 lb	-9,447 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm	549 mm	549 mm	549 mm
	1'10"	1'10"	1'10"	1'10"
*Width over tire bulge and includes tire growth.				

\*Width over tire bulge and includes tire growth.

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

\*Width over tire bulge and includes tire growth.

Linkage		Stand	lard 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 <sup>3</sup>	7.00	7.00
Capacity - Rated at 110% Fill Factor	m <sup>3</sup>	5.90	5.90
	yd <sup>3</sup>	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 <sup>†</sup> Digging Depth	mm	84	89
	in	3.3"	3.5"
12† Overall Length	mm	9613	9769
	ft/in	31'7"	32'1"
<b>B</b> <sup>†</sup> Overall Height with Bucket at	mm	6432	6536
Maximum Lift	ft/in	21'2"	21'6"
Loader Clearance Circle Radius	mm	7614	7697
with Bucket at Carry Position	ft/in	25'0"	25'4"
Static Tipping Load, Straight	kg	N/A	N/A
(With tire deflection)	lb	N/A	N/A
Static Tipping Load, Straight	kg	29 260	27 802
(No tire deflection)	lb	64,490	61,276
Static Tipping Load,	kg	N/A	N/A
Articulated (With tire deflection)	lb	N/A	N/A
Static Tipping Load, Articulated	kg	25 415	24 063
(No tire deflection)	lb	56,015	53,036
Breakout Force(§)	kN	226	204
	lbf	50,946	45,849
Operating Weight*	kg	36 885	37 567
	lb	81,294	82,796

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

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

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

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

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

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

(5) Massured 100 mm  $/4^{\circ}$  habing tip of outting adde with hyplicit hings his as hive point

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

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

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

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

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

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

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

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

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

(c) Massing of the second sec

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

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

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

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

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

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

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

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

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

† Illustration shown with Dimension charts.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### **Fork Specifications**

1       Tine Length       mm       2438         2       Load Center       in       96.0         2       Load Center       in       48.0         Static Tipping Load - Straight (Forks Level)       kg       16418         Static Tipping Load - Articulated (Forks Level)       kg       16418         Static Tipping Load - Articulated (Forks Level)       kg       6761         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       6761         1       Ibs       14902       Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       6761         3       Maximum Overall Length       in       13435       14902         3       Maximum Overall Length       in       1345         4       Reach with Forks at Ground Level       in       5.3.0         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       in       73.6         7       Reach with Fork at Maximum Height       mm       943       in         9       Ground to Top of Tine with Arms Horizontal and Fork Level       in       73.6         9       Ground to Top of Tine at Maximum Height and Fork Level       in       73.7         18       Ground to Top of Tine at Maximum Height and Fork Level       in </th <th></th> <th></th> <th></th> <th></th>				
2       Load Center       in       48.0         Static Tipping Load - Straight (Forks Level)       kg       16418         Static Tipping Load - Articulated (Forks Level)       kg       14249         Static Tipping Load - Articulated (Forks Level)       kg       6761         Rated Load (SAE J1197 - 50% FTSTL)       kg       6761         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       6761         Ibs       14902       Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       6761         3       Maximum Overall Length       in       437.5       14902         4       Reach with Forks at Ground Level       in       437.5         5       Ground to Bottom of Tine at Minimum Height and Fork Level       in       -138         10       5       Reach with Fork at Maximum Height       in       37.1         8       Ground to Top of Tine at Maximum Height and Fork Level       in       7.36.6         9       Ground to Top of Tine at Maximum Height and Fork Level       in       74.9         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       72.8         11       Clearance at Full Lift and Max Dump       in       10.74.9         10       Overall Carriage	1	Tine Length		
Static Tipping Load - Straight (Forks Level)       kg       16418         Static Tipping Load - Articulated (Forks Level)       kg       36184         Static Tipping Load - Articulated (Forks Level)       kg       6761         Rated Load (SAE J1197 - 50% FTSTL)       kg       6761         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       6761         Ibs       14902       Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       6761         3       Maximum Overall Length       im       11113       14902         3       Reach with Forks at Ground Level       in       33.0         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       im       -5.5         6       Reach with Fork at Maximum Height       in       37.1         8       Ground to Top of Tine with Arms Horizontal and Fork Level       im       21.7         9       Ground to Top of Tine at Maximum Height and Fork Level       in       7.3.7         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       7.3.7         12       Max Discharge Angle from Horizontal       deg       5.8         13       Overall Carriage Height       in       10.7.7         14       Overall Carriage He	2	Load Center	mm	1219
InterprintDistSolidStatic Tipping Load - Articulated (Forks Level)kg14249Static Tipping Load - Articulated (Forks Level)kg6761Rated Load (SAE J1197 - 50% FTSTL)kg6761Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg6761Ibs14902Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg67613Maximum Overall Lengthin143024Reach with Forks at Ground Levelin33.05*Ground to Bottom of Tine at Minimum Height and Fork Levelin-5.56Reach with Fork at Maximum Heightin37.17Reach with Fork at Maximum Heightin37.18Ground to Top of Tine at Maximum Height and Fork Levelin77.29Ground to Top of Tine at Maximum Height and Fork Levelin77.49Ground to Top of Tine at Maximum Height and Fork Levelin77.410Overall Height of Fork at Full Lift (top of carriage to ground)in228.911Clearance at Full Lift and Max Dumpin10.212Max Discharge Angle from Horizontaldeg5813Overall Carriage Widthin0.214Overall Carriage Heightin3.415Outside Tine Width (min spread)in3.416Outside Tine Width (min spread)in3.517Tine Width (single tine)in3.518Overall Carriage Widthin3.5 <th></th> <th>Static Tipping Load Straight (Farka Loval)</th> <th></th> <th></th>		Static Tipping Load Straight (Farka Loval)		
Static Hipping Load - Anticulated (POINS Level)Ibs31405Rated Load (SAE J1197 - 50% FTSTL)kg6761Ibs14902Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg6761Ibs14902Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg67613Maximum Overall Lengthin149024Reach with Forks at Ground Levelmm111135*Ground to Bottom of Tine at Minimum Height and Fork Levelin-53.56Reach with Forks at Maximum Heightin31.47Reach with Fork at Maximum Heightin31.48Ground to Top of Tine with Arms Horizontal and Fork Levelin73.79Ground to Top of Tine at Maximum Height and Fork Levelin74.910Overall Height of Fork at Full Lift (top of carriage to ground)in228.911Clearance at Full Lift and Max Dumpin13.7.312Max Discharge Angle from Horizontaldeg5813Overall Carriage Widthin10.5.116Outside Tine Width (min spread)in3.4.417In0.1.6.1in18Outside Tine Width (min spread)in3.4.219Overall Carriage Heightin3.4.210Overall Carriage Widthin3.4.211Icearance at Full Lift and Max Dumpin10.5.112Max Discharge Angle from Horizontaldeg5813Ov				
Rated Load (SAE 3T197 - 30% F1S1L)Ibs to 14902Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg tds 6761Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg tds 67613 Maximum Overall Lengthim in3 Maximum Overall Lengthim in4 Reach with Forks at Ground Levelim in5 *Ground to Bottom of Tine at Minimum Height and Fork Levelim in in6 Reach with Fork at Maximum Heightim in7 Reach with Fork at Maximum Heightim in in in 37.18 Ground to Top of Tine with Arms Horizontal and Fork Levelim in in in 37.19 Ground to Top of Tine at Maximum Height and Fork Levelim in in in 37.19 Ground to Top of Tine at Maximum Height and Fork Levelim in in in 37.19 Ground to Top of Tine at Maximum Height and Fork Levelim in in in 77.110 Overall Height of Fork at Full Lift (top of carriage to ground)im in in in 27.111 Clearance at Full Lift and Max Dumpim in i		Static Tipping Load - Articulated (Forks Level)		
Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)Itos t		Rated Load (SAE J1197 - 50% FTSTL)	lbs	14902
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F1S1L)       ibs 14002         3 Maximum Overall Length       im         4 Reach with Forks at Ground Level       im         5 *Ground to Bottom of Tine at Minimum Height and Fork Level       in         6 Reach with Forks at Ground Level       im         7 Reach with Fork at Maximum Height       in         8 Ground to Dop of Tine with Arms Horizontal and Fork Level       in         9 Ground to Top of Tine with Arms Horizontal and Fork Level       in         9 Ground to Top of Tine at Maximum Height and Fork Level       in         10 Overall Height of Fork at Full Lift (top of carriage to ground)       in         7 Reach with Fork at Full Lift (top of carriage to ground)       in         11 Clearance at Full Lift and Max Dump       in         12 Max Discharge Angle from Horizontal       deg         13 Overall Carriage Width       im         14 Overall Carriage Height       im         15 Outside Tine Width (max spread)       im         16 Outside Tine Width (min spread)       im         17       3.40         18 Outside Tine Width (min spread)       in         17       in         18.0       in         19.0       in         11       Custide Tine Width (min spread)		Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	14902
3       Maximum Overall Length       in       437.5         4       Reach with Forks at Ground Level       mm       1345         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       -138         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       -138         6       Reach with Arms Horizontal and Forks Level       mm       1870         7       Reach with Fork at Maximum Height       in       37.1         8       Ground to Top of Tine with Arms Horizontal and Fork Level       in       85.6         9       Ground to Top of Tine at Maximum Height and Fork Level       in       847.6         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       78.17         11       Clearance at Full Lift and Max Dump       mm       1871         11       Clearance at Full Lift and Max Dump       in       73.7         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       in       108.3         14       Overall Carriage Height       in       108.3         14       Overall Carriage Height       in       108.3         15       Outside Tine Width (min spread)		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14902
4       Reach with Porks at Ground Level       in       53.0         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       -138         6       Reach with Arms Horizontal and Forks Level       mm       1870         7       Reach with Fork at Maximum Height       mm       943         7       Reach with Fork at Maximum Height       mm       943         7       Reach with Fork at Maximum Height       in       37.1         8       Ground to Top of Tine with Arms Horizontal and Fork Level       in       85.6         9       Ground to Top of Tine at Maximum Height and Fork Level       in       74.9         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       5814         11       Clearance at Full Lift and Max Dump       mm       1871         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       in       1062.0         14       Overall Carriage Height       in       105.7         15       Outside Tine Width (max spread)       in       105.7         16       Outside Tine Width (min spread)       in       3.3.4         Tine Thickness       in       3.5.       10.8 </th <th>3</th> <th>Maximum Overall Length</th> <th></th> <th></th>	3	Maximum Overall Length		
5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       -138         6       Reach with Arms Horizontal and Forks Level       mm       943         7       Reach with Fork at Maximum Height       mm       943         8       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       943         9       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       2174         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       28.9         11       Clearance at Full Lift and Max Dump       in       73.7         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       mm       2751         14       Overall Carriage Height       in       62.0         15       Outside Tine Width (max spread)       mm       847         16       Outside Tine Width (min spread)       in       3.4         Tine Thickness       mm       20.1       8.0         Tine Capacity       kg       1068       24.938	4	Reach with Forks at Ground Level		1345
6       Reach with Arms Horizontal and Forks Level       mm       111       -3:3         7       Reach with Fork at Maximum Height       mm       943         7       Reach with Fork at Maximum Height       mm       943         8       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       2174         9       Ground to Top of Tine at Maximum Height and Fork Level       mm       4442         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       5814         11       Clearance at Full Lift and Max Dump       mm       1871         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       mm       2751         14       Overall Carriage Height       in       62.0         15       Outside Tine Width (max spread)       mm       8471         16       Outside Tine Width (min spread)       in       3.4         Tine Width (single tine)       in       3.5       mm       2032         Tine Thickness       mm       2010       in       3.5         Tine Thickness       mm       2010       1068       24393         Opecenting Weight       kg       36462	5	*Ground to Bottom of Tino at Minimum Hoight and Fork Loval		-138
6       Reach with Arms Horizontal and Forks Level       in       73.6         7       Reach with Fork at Maximum Height       in       37.1         8       Ground to Top of Tine with Arms Horizontal and Fork Level       in       37.1         9       Ground to Top of Tine at Maximum Height and Fork Level       in       37.1         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       228.9         11       Clearance at Full Lift and Max Dump       in       1871         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       in       106.2         14       Overall Carriage Height       in       62.0         15       Outside Tine Width (max spread)       in       33.4         16       Outside Tine Width (min spread)       in       35.         11       Tine Width (single tine)       in       35.2         16       Tine Thickness       in       35.2         17       Tine Capacity       kg       1068         10       Kg       36462       24393				
7       Reach with Fork at Maximum Height       mm       943         8       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       2174         9       Ground to Top of Tine at Maximum Height and Fork Level       mm       4442         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       5814         11       Clearance at Full Lift and Max Dump       mm       1871         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       mm       2751         14       Overall Carriage Height       mm       1672         15       Outside Tine Width (max spread)       mm       849         16       Outside Tine Width (min spread)       in       3.3.4         Tine Width (single tine)       in       3.5       mm       203.2         Tine Thickness       in       3.5       1.6       2.4       2.43.3         Operating Width       kg       11068       58.4       2.43.9       2.43.93	6	Reach with Arms Horizontal and Forks Level		
8       Ground to Top of Tine With Arms Horizontal and Fork Level       in       8         9       Ground to Top of Tine at Maximum Height and Fork Level       in       74.9         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       728.9         11       Clearance at Full Lift and Max Dump       in       73.7         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       in       108.3         14       Overall Carriage Height       in       62.0         15       Outside Tine Width (max spread)       in       105.1         16       Outside Tine Width (min spread)       in       3.3.4         Tine Width (single tine)       in       3.5.       11.0         Tine Thickness       in       3.5.       11.0       8.0         Tine Capacity       kg       11068       10.6       2.43.93	7	Reach with Fork at Maximum Height		
9       Ground to Lop of Tine at Maximum Height and Fork Level       in       174.9         10       Overall Height of Fork at Full Lift (top of carriage to ground)       im       5814         11       Clearance at Full Lift and Max Dump       im       787         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       in       73.7         14       Overall Carriage Height       im       108.3         14       Overall Carriage Height       in       102.1         15       Outside Tine Width (max spread)       im       2671         16       Outside Tine Width (min spread)       im       3.4         Tine Width (single tine)       in       3.5       1         Tine Thickness       im       203.2       1       1068         Operating Weight       kg       11068       1068       24393	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)         in         228.9           11         Clearance at Full Lift and Max Dump         mm         1871           12         Max Discharge Angle from Horizontal         deg         58           13         Overall Carriage Width         mm         1755           14         Overall Carriage Height         mm         1677           15         Outside Tine Width (max spread)         mm         2671           16         Outside Tine Width (min spread)         mm         849           Tine Width (single tine)         in         3.5         mm         203.2           Tine Thickness         in         8.0         7         1068         24393           Operating Wight         kg         11068         3.4         3.4	9	Ground to Top of Tine at Maximum Height and Fork Level		
11       Clearance at Full Lift and Max Dump       in       73.7         12       Max Discharge Angle from Horizontal       deg       58         13       Overall Carriage Width       in       108.3         14       Overall Carriage Height       mm       1575         15       Outside Tine Width (max spread)       in       30.4         16       Outside Tine Width (min spread)       in       33.4         Tine Width (single tine)       in       3.5         Tine Thickness       in       20.32         Tine Capacity       kg       11068         Operating Width       kg       36462	10	Overall Height of Fork at Full Lift (top of carriage to ground)		
13         Overall Carriage Width         mm         2751 in         108.3           14         Overall Carriage Height         in         1575 in         62.0           15         Outside Tine Width (max spread)         mm         2671 in         106.1           16         Outside Tine Width (min spread)         in         33.4           Tine Width (single tine)         in         3.5           Tine Thickness         mm         203.2           Tine Capacity         kg         11068           Operating Weight         kg         36462	11	Clearance at Full Lift and Max Dump		
13         Overall Carriage Width         in         108.3           14         Overall Carriage Height         in         1575           15         Outside Tine Width (max spread)         in         2671           16         Outside Tine Width (min spread)         in         33.4           Tine Width (single tine)         in         3.5           Tine Thickness         in         203.2           Tine Capacity         kg         1068           Operating Width         kg         36462	12	Max Discharge Angle from Horizontal	deg	
14         Overall Carriage Height         mm         1575           15         Outside Tine Width (max spread)         mm         2671           16         Outside Tine Width (min spread)         mm         849           Tine Width (single tine)         in         33.4           Tine Thickness         in         8.0           Tine Capacity         kg         11068           Operating Weight         kg         36462	13	Overall Carriage Width		
III         02:0         III         02:0           15         Outside Tine Width (max spread)         mm         2671         in         105.1           16         Outside Tine Width (min spread)         in         33.4         mm         84.9           Tine Width (single tine)         in         3.5         mm         203.2           Tine Thickness         in         8.0         7         106         24393           Operating Weight         kg         36462         24393         24393	14	Overall Carriage Height	mm	1575
15         Outside Tine Width (max spread)         in         105.1           16         Outside Tine Width (min spread)         in         33.4           Tine Width (single tine)         in         3.5           Tine Thickness         in         203.2           Tine Capacity         kg         11068           Operating Weight         kg         36462		0 0		
16         Outside Time Width (min spread)         in         33.4           Tine Width (single tine)         in         3.5           Tine Thickness         in         8.0           Tine Capacity         kg         11068           Description         kg         36462	15	Outside Tine Width (max spread)		
Tine Width (single tine)         mm         88.9         nn         3.5           Tine Thickness         mm         203.2         in         8.0         0           Tine Capacity         kg         11068         24393         24393         24393           Operating Weight         kg         36462         24393	16	Outside Tine Width (min spread)		
Tine Thickness         mm         203.2           In         8.0         8.0           Tine Capacity         kg         11068           Description         kg         36462		Tine Width (single tine)	mm	88.9
		The This are		
Ine Capacity Ibs 24393 Operating Weight kg 36462			in	8.0
Operating Weight kg 36462		Tine Capacity		
Uperating weight Ibs 80363				
				80363

## 

\*Negative values indicate below grade

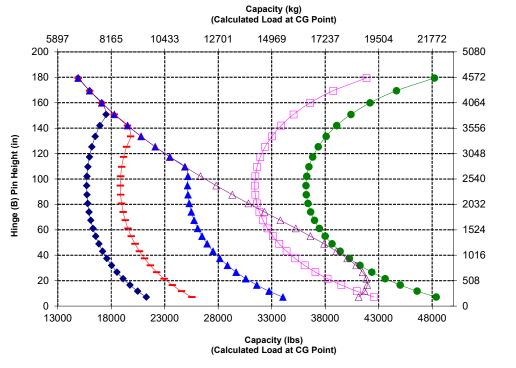
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain
 Payload (CEN EN 474.3 - Firm & Level)
 Postact Teping Load - Arkoulated
 Static Teping Load - Straight
 --Hydraintic Till Capacity
 --Hydraulic Lill Capacity

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

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

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

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Hinge (B) Pin Height (mm)

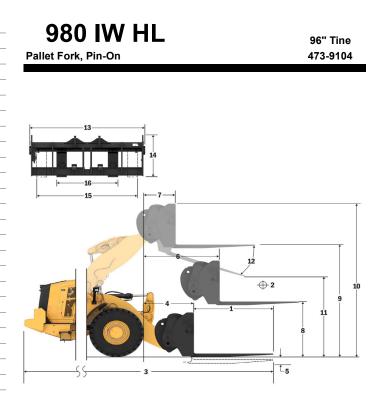


## 980 Waste & Scrap Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
_		in	48.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	15574 34326
	Chatia Tianing Lood Articulated (Forks Loval)	kg	13783
	Static Tipping Load - Articulated (Forks Level)	lbs	30378
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	6586 14515
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	6586 14515
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	6586 14515
3	Maximum Overall Length	mm in	11302 444.9
4	Reach with Forks at Ground Level	mm in	1534 60.4
5	*Conversion of Time of Minimum Unight and Fault Lovel	mm	-137
0	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.4
6	Reach with Arms Horizontal and Forks Level	mm	2030
		in mm	79.9 946
7	Reach with Fork at Maximum Height	in	37.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2174 85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4663 183.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	6035 237.6
11	Clearance at Full Lift and Max Dump	mm in	2334 91.9
12	Max Discharge Angle from Horizontal	deg	49
12		-	
13	Overall Carriage Width	mm in	2751 108.3
	Queen II Queein en Hainha	mm	1575
14	Overall Carriage Height	in	62.0
15	Outside Tine Width (max spread)	mm	2671
		in	<u>105.1</u> 849
16	Outside Tine Width (min spread)	mm in	33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	The Original State	kg	11068
	Tine Capacity	lbs	24393
	Operating Weight	kg	36596
	opoidania residut	lbs	80657



\*Negative values indicate below grade

Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain
 Payload (CEN EN 474.3 - Firm & Level)
 -B-State: Typping Load - Articulated
 State: Typping Load - Straight
 -d-Hydraulic T& Capacity

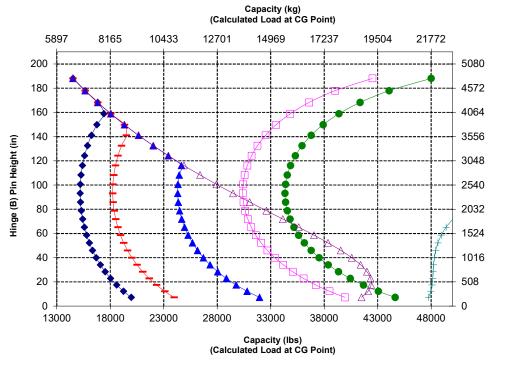
-Hydraulic Lift Capacity

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

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Hinge (B) Pin Height (mm)

#### **Fork Specifications**

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

## 980 IWSTD Pallet Fork, Pin-On 72" Tine 473-9106

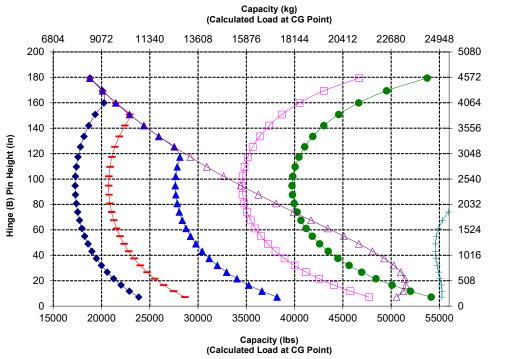
\*Negative values indicate below grade

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

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

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

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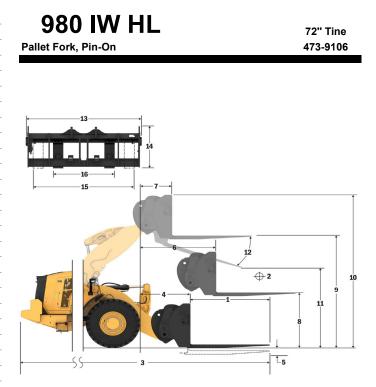
Hinge (B) Pin Height (mm)

## 980 Waste & Scrap Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

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



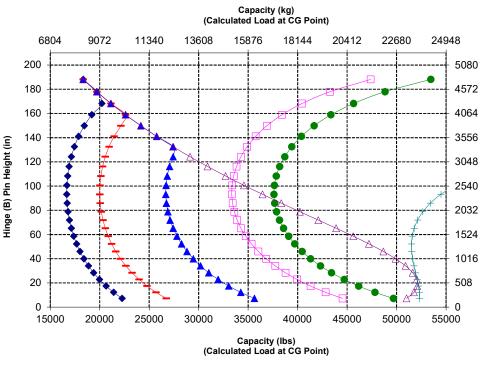
\*Negative values indicate below grade

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

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

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

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#### **Fork Specifications**

1       Tine Length       inn       60.0         2       Load Center       inn       30.0         3       Static Tipping Load - Straight (Forks Level)       kg       19578         Static Tipping Load - Articulated (Forks Level)       kg       37714         Rated Load (SAE J1197 - 50% FTSTL)       kg       8556         Bs       48556       bs       48577         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       9398         Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       9398         3       Maximum Overall Length       inn       306.8         4       Reach with Forks at Ground Level       inn       1225         * Ground to Bottom of Tine at Minimum Height and Fork Level       inn       72.4         7       Reach with Fork at Maximum Height       mm       913         8       Ground to Top of Tine with Arms Horizontal and Fork Level       inn       79.8         9       Ground to Top of Tine at Maximum Height and Fork Level       inn       169.7         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       199.7         11       Clearance at Full Lift and Max Dump       inn       22.4         13       Overall C				
2       Load Center       im       762         in       30.0       Static Tipping Load - Straight (Forks Level)       kg       19578         Static Tipping Load - Articulated (Forks Level)       kg       17112         Static Tipping Load - Articulated (Forks Level)       kg       8556         Rated Load (SAE J1197 - 50% FTSTL)       kg       8556         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       9398         Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       9398         4       Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       9398         5       7 Ground to Bottom of Tine at Minimum Height and Fork Level       im       396.8         6       Reach with Forks at Ground Level       im       1839         7       Reach with Fork at Maximum Height       im       72.4         7       Reach with Fork at Maximum Height       im       35.9         8       Ground to Top of Tine at Maximum Height and Fork Level       im       79.8         9       Ground to Top of Tine at Maximum Height and Fork Level       im       199.7         10       Overall Height of Fork at Full Lift (top of carriage to ground)       im       199.7         11       Clearance at Full Lift and	1	Tine Length		1524
2       Load Center       in       30.0         Static Tipping Load - Straight (Forks Level)       kg       19578         Static Tipping Load - Articulated (Forks Level)       kg       17112         Static Tipping Load - Articulated (Forks Level)       kg       37714         Rated Load (SAE J1197 - 50% FTSTL)       kg       8556         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       9398         4       Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       9398         4       Reach with Forks at Ground Level       mm       10078       in       396.8         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       in       48.2       5       *Ground to Bottom of Tine at Minimum Height       mm       1839         6       Reach with Fork at Maximum Height       in       72.4       7       Reach with Fork at Maximum Height       in       79.8         9       Ground to Top of Tine with Arms Horizontal and Fork Level       in       79.8       90.7         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       199.7       11       Clearance at Full Lift and Max Dump       in       37.1         12       Max Discharge Angle from Horizontal       deg       45 <th>_</th> <th></th> <th></th> <th></th>	_			
Static Tipping Load - Straight (FORS Level)Ibs43150Static Tipping Load - Articulated (Forks Level)kg17112Rated Load (SAE J1197 - 50% FTSTL)kg8556Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg9398Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg93983Maximum Overall Lengthmm100784Reach with Forks at Ground Levelmm12255*Ground to Bottom of Tine at Minimum Height and Fork Levelmm148.27Reach with Fork at Maximum Heightmm9137Reach with Fork at Maximum Heightmm9139Ground to Top of Tine with Arms Horizontal and Fork Levelin35.98Ground to Top of Tine at Maximum Height and Fork Levelin199.710Overall Height of Fork at Full Lift (top of carriage to ground)in199.711Clearance at Full Lift and Max Dumpmm221713Overall Carriage Heightin33.114Overall Carriage Heightin33.115Outside Tine Width (min spread)in31.516Outside Tine Width (min spread)in36.715Outside Tine Width (min spread)in35.916Outside Tine Width (min spread)in33.117Overall Carriage Heightin33.118Overall Carriage Heightin33.516Outside Tine Width (min spread)in18.5	2	Load Center		
Static Tipping Load - Articulated (Forks Level)kg43130Rated Load (SAE J1197 - 50% FTSTL)kg8556Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg9398Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg93983 Maximum Overall Lengthin396.84 Reach with Forks at Ground Levelin396.85 *Ground to Bottom of Tine at Minimum Height and Fork Levelin356.86 Reach with Forks at Ground Levelin356.87 Reach with Fork at Maximum Heightin359.88 Ground to Top of Tine at Minimum Height and Fork Levelin79.89 Ground to Top of Tine at Maximum Height and Fork Levelin79.89 Ground to Top of Tine at Maximum Height and Fork Levelin199.711 Clearance at Full Lift (top of carriage to ground)in199.711 Clearance at Full Lift and Max Dumpin1199.711 Clearance at Full Lift and Max Dumpin33.114 Overall Carriage Widthin33.115 Outside Tine Width (max spread)in81.516 Outside Tine Width (max spread)in81.517 Fine Tine Width (single tine)in15.916 Outside Tine Width (min spread)in31.516 Outside Tine Width (min spread)in31.517 Reacitykg630018 Outside Tine Width (single tine)in5.919 Tine Thicknessin5.910 Overall Carriage Heightin5.911 Clearance at F		Static Tinning Load - Straight (Forks Level)		
Static Tipping Load - Articulated (FORS Level)Ibs37714Rated Load (SAE J1197 - 50% FTSTL)ibs8556Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)ibs18857Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)ibs207143 Maximum Overall Lengthim100784 Reach with Forks at Ground Levelmm10255 *Ground to Bottom of Tine at Minimum Height and Fork Levelim4866 Reach with Forks at Maximum Heightim7247 Reach with Fork at Maximum Heightim3598 Ground to Top of Tine with Arms Horizontal and Fork Levelim79.89 Ground to Top of Tine at Maximum Height and Fork Levelim79.810 Overall Height of Fork at Full Lift (top of carriage to ground)im199.711 Clearance at Full Lift and Max Dumpim221713 Overall Carriage Heightim33.114 Overall Carriage Heightim33.115 Outside Tine Width (max spread)im31.516 Outside Tine Width (min spread)im31.516 Outside Tine Width (min spread)im31.517 Tine Thicknessim33.518 Overation Kinge tine)im33.119 Overation Kinge tine)im33.510 Overall Carriage Heightim33.115 Outside Tine Width (min spread)im31.516 Outside Tine Width (min spread)im31.517 Tine Thicknessim5.918 Overation Weichtim5.9				
Rated Load (SAE J1197 - 50% FTSTL)       kg       8556         Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)       kg       9398         Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       kg       9398         3       Maximum Overall Length       mm       10078         4       Reach with Forks at Ground Level       mm       1225         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       148         6       Reach with Fork at Maximum Height       mm       135.9         6       Reach with Fork at Maximum Height       mm       169.2         7       Reach with Fork at Maximum Height       mm       2024         7       Reach with Fork at Maximum Height       mm       2026         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       169.2         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       169.2         11       Clearance at Full Lift and Max Dump       mm       2217         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       81.5		Static Tipping Load - Articulated (Forks Level)		
Rated Load (SAE JTH97 - 30% FTSTL)Ibs18857Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)kg9398Bated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg93983Maximum Overall Lengthin396.84Reach with Forks at Ground Levelin48.25*Ground to Bottom of Tine at Minimum Height and Fork Levelin-1461in-58.86Reach with Fork at Maximum Height and Fork Levelin7Reach with Fork at Maximum Heightin35.98Ground to Top of Tine with Arms Horizontal and Fork Levelin79.89Ground to Top of Tine at Maximum Height and Fork Levelin79.89Ground to Top of Tine at Maximum Height and Fork Levelin199.711Clearance at Full Lift (top of carriage to ground)in1199.711Clearance at Full Lift and Max Dumpin1199.713Overall Carriage Widthin33.114Overall Carriage Heightin31.516Outside Tine Width (max spread)in81.516Outside Tine Width (min spread)in81.516Outside Tine Width (min spread)in2.617Tine Capacitykg630018Dearctingin2.619Operating Weightkg53514				
Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)Ibs Los20714Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)kg9398 Ibs207143 Maximum Overall Lengthin100784 Reach with Forks at Ground Levelin396.85 *Ground to Bottom of Tine at Minimum Height and Fork Levelin-1466 Reach with Arms Horizontal and Forks Levelin-586 Reach with Fork at Maximum Heightin35.97 Reach with Fork at Maximum Heightin399.28 Ground to Top of Tine with Arms Horizontal and Fork Levelin79.89 Ground to Top of Tine at Maximum Height and Fork Levelin79.810 Overall Height of Fork at Full Lift (top of carriage to ground)in1199.711 Clearance at Full Lift and Max Dumpin114.112 Max Discharge Angle from Horizontaldeg4513 Overall Carriage Widthin33.114 Overall Carriage Heightin81.516 Outside Tine Width (max spread)in18.517 Nie Width (single tine)in15.018 Outside Tine Width (min spread)in15.919 Tine Thicknessin5.910 Overall Carriage Kigein5.911 Cleapacitykg630012 Outside Tine Width (single tine)in1.8.513 Overall Carriage Heightin8.1.514 Overall Carriage Heightin1.8.515 Outside Tine Width (min spread)in1.8.516 Outside Tine Width (		Rated Load (SAE J1197 - 50% FTSTL)		
Note that the second se		Rated Load (CEN EN 474-3 Rough Terrain - 60% ETSTL)		
Rated Load (CEN EN 474-3 Fifth and Level Ground - 80% F1 STL)       Ibs 20714         3 Maximum Overall Length       mm 10078         in       396.8         4 Reach with Forks at Ground Level       mm 1225         5 *Ground to Bottom of Tine at Minimum Height and Fork Level       mm -146         in       48.2         7 Reach with Fork at Maximum Height       mm 1839         8 Ground to Top of Tine with Arms Horizontal and Fork Level       mm 2028         9 Ground to Top of Tine with Arms Horizontal and Fork Level       in 79.8         9 Ground to Top of Tine at Maximum Height and Fork Level       in 4297         10 Overall Height of Fork at Full Lift (top of carriage to ground)       in 114.1         11 Clearance at Full Lift and Max Dump       in 114.1         12 Max Discharge Angle from Horizontal       deg 45         13 Overall Carriage Width       mm 470         15 Outside Tine Width (max spread)       in 81.5         16 Outside Tine Width (min spread)       in 8.5         7 Tine Thickness       in 2.6         7 Tine Thickness       in 2.6         7 Tine Capacity       kg 6300         18 Overation Meicht       kg 6300		Rated Eoad (OEN EN 474-5 Rough Terrain - 00% TTOTE)		
3       Maximum Overall Length       in 306.8         4       Reach with Forks at Ground Level       mm       1225         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       146.2         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       mm       148.2         6       Reach with Arms Horizontal and Forks Level       mm       1839         7       Reach with Fork at Maximum Height       mm       913         7       Reach with Fork at Maximum Height       mm       913         8       Ground to Top of Tine at Maximum Height and Fork Level       mm       2028         9       Ground to Top of Tine at Maximum Height and Fork Level       in       79.8         9       Ground to Top of Tine at Maximum Height and Fork Level       in       199.7         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       2217         11       Overall Carriage Midth       mm       2217         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Height       in       33.1         15       Outside Tine Width (max spread)		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		
3       Maximum Overail Length       in       396.8         4       Reach with Forks at Ground Level       in       48.2         5       *Ground to Bottom of Tine at Minimum Height and Fork Level       inn       -146         6       Reach with Arms Horizontal and Forks Level       inn       -74.8         7       Reach with Fork at Maximum Height       inn       35.9         8       Ground to Top of Tine with Arms Horizontal and Fork Level       inn       35.9         9       Ground to Top of Tine at Maximum Height and Fork Level       inn       4297         10       Overall Height of Fork at Full Lift (top of carriage to ground)       inn       5072         10       Overall Leight of Fork at Full Lift (top of carriage to ground)       inn       2897         11       Clearance at Full Lift and Max Dump       rmm       2217         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       81.3         14       Overall Carriage Height       in       33.1         15       Outside Tine Width (min spread)       in       81.5         16       Outside Tine Width (min spread)       in       18.5         17       Tine Capacity		· · · · · · · · · · · · · · · · · · ·		
4       Reach with Forks at Ground Level       mm       1225         5       "Ground to Bottom of Tine at Minimum Height and Fork Level       mm       -146         6       Reach with Arms Horizontal and Forks Level       mm       1383         7       Reach with Fork at Maximum Height       mm       913         7       Reach with Fork at Maximum Height       mm       2028         8       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       2028         9       Ground to Top of Tine at Maximum Height and Fork Level       mm       2028         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       199.7         11       Clearance at Full Lift and Max Dump       in       1199.7         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       mm       2217         14       Overall Carriage Height       in       81.5         15       Outside Tine Width (max spread)       in       81.5         16       Outside Tine Width (min spread)       in       81.5         16       Tine Thickness       in       2.6         10       Foreacity       kg       6300	3	Maximum Overall Length		
in     48.2       5     *Ground to Bottom of Tine at Minimum Height and Fork Level     mm     -146       in     -5.8     6     Reach with Arms Horizontal and Forks Level     mm     1839       6     Reach with Fork at Maximum Height     mm     913     in     35.9       7     Reach with Fork at Maximum Height     in     35.9     mm     1839       8     Ground to Top of Tine with Arms Horizontal and Fork Level     in     79.8       9     Ground to Top of Tine at Maximum Height and Fork Level     in     199.7       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     2217       13     Overall Carriage Angle from Horizontal     deg     45       13     Overall Carriage Height     in     33.1       14     Overall Carriage Height     in     33.1       15     Outside Tine Width (min spread)     in     81.5       16     Outside Tine Width (min spread)     in     5.9       10     Tine Capacity     kg     6300       18     S     in     2.6	4	Peach with Forks at Ground Loval	mm	1225
5       "Ground to Bottom of Time at Minimum Height and Fork Level       in       -5.8         6       Reach with Arms Horizontal and Forks Level       in       7.2.4         7       Reach with Fork at Maximum Height       in       7.2.4         7       Reach with Fork at Maximum Height       in       35.9         8       Ground to Top of Tine with Arms Horizontal and Fork Level       in       79.8         9       Ground to Top of Tine at Maximum Height and Fork Level       in       169.2         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       199.7         11       Clearance at Full Lift and Max Dump       in       14.1         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       33.1         14       Overall Carriage Height       in       33.1         15       Outside Tine Width (min spread)       in       18.5         16       Outside Tine Width (min spread)       in       5.9         17       Tine Thickness       in       2.6         18       Operating Weight       kg       6300		Reach with Forks at Ground Level	in	
6       Reach with Arms Horizontal and Forks Level       im       1839         7       Reach with Fork at Maximum Height       im       72.4         7       Reach with Fork at Maximum Height       im       913         8       Ground to Top of Tine with Arms Horizontal and Fork Level       im       79.8         9       Ground to Top of Tine at Maximum Height and Fork Level       im       79.8         10       Overall Height of Fork at Full Lift (top of carriage to ground)       im       169.2         10       Overall Height of Fork at Full Lift (top of carriage to ground)       im       1199.7         11       Clearance at Full Lift and Max Dump       im       114.1         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       im       33.1         14       Overall Carriage Height       im       81.3         15       Outside Tine Width (max spread)       im       470         16       Outside Tine Width (min spread)       im       18.5         17       Tine Capacity       kg       6300         18       Operating Weight       kg       6300	5	*Ground to Bottom of Tine at Minimum Height and Fork Level		
6       Reach with Arms Horizontal and Porks 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       79.8         9       Ground to Top of Tine at Maximum Height and Fork Level       in       79.8         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)       in       199.7         11       Clearance at Full Lift and Max Dump       in       1199.7         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       33.1         14       Overall Carriage Height       in       33.1         15       Outside Tine Width (max spread)       in       81.5         16       Outside Tine Width (min spread)       in       5.9         Tine Thickness       in       5.9       1         Tine Capacity       kg       6300         13       Neight       kg       6300         14       Overall Carriage Height       in       3.5.1         16       Outside Tine Width (min spr		ů		
7       Reach with Fork at Maximum Height       mm       913         8       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       2028         9       Ground to Top of Tine at Maximum Height and Fork Level       mm       4297         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       5072         11       Clearance at Full Lift and Max Dump       mm       2287         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       87.3         14       Overall Carriage Height       mm       470         15       Outside Tine Width (max spread)       mm       470         16       Outside Tine Width (min spread)       in       15.9         7       Tine Thickness       in       5.9         7       Tine Capacity       kg       6300         13       Operating Weight       kg       6300	6	Reach with Arms Horizontal and Forks Level		
8       Ground to Top of Tine with Arms Horizontal and Fork Level       mm       2028         9       Ground to Top of Tine at Maximum Height and Fork Level       mm       4297         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       5072         11       Clearance at Full Lift and Max Dump       mm       289         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       mm       2217         14       Overall Carriage Height       in       81,33,14         15       Outside Tine Width (max spread)       mm       470         16       Outside Tine Width (min spread)       in       18,5         Tine Thickness       in       2,6       13,630         Tine Thickness       in       1,2,6       13,85	7	Reach with Early at Maximum Haight		
a       Ground to Top of Thite with Aritis Holizbiliar and Pork Level       in       79.8         g       Ground to Top of Tine at Maximum Height and Fork Level       in       4297         10       Overall Height of Fork at Full Lift (top of carriage to ground)       in       169.2         11       Clearance at Full Lift and Max Dump       in       1199.7         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       33.1         14       Overall Carriage Height       in       84.0         15       Outside Tine Width (max spread)       in       81.5         16       Outside Tine Width (min spread)       in       18.5         Tine Width (single tine)       in       5.9       in         Tine Thickness       in       2.6       13.85         Operating Width       in       8.2       13.85		Reach with Fork at Maximum Height	in	
9       Ground to Top of Tine at Maximum Height and Fork Level       im       4297         10       Overall Height of Fork at Full Lift (top of carriage to ground)       im       5072         11       Clearance at Full Lift and Max Dump       im       141.1         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       im       87.3         14       Overall Carriage Height       im       87.3         15       Outside Tine Width (max spread)       im       81.5         16       Outside Tine Width (min spread)       im       5.9         17       Tine Capacity       kg       6300         18       Tine Capacity       kg       6300	8	Ground to Top of Tine with Arms Horizontal and Fork Level		
9       Ground to rop of thine at Maximum Height and Fork Level       in       1662.2         10       Overall Height of Fork at Full Lift (top of carriage to ground)       mm       5072         11       Clearance at Full Lift and Max Dump       mm       2897         11       Clearance at Full Lift and Max Dump       mm       2897         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       mm       2217         14       Overall Carriage Height       in       33.1         15       Outside Tine Width (max spread)       mm       470         16       Outside Tine Width (min spread)       in       18.5         Tine Width (single tine)       in       15.9       mm       6300         Tine Thickness       in       2.6       13.86       00         Tine Capacity       kg       6300       13.8551       13.8551				
10         Overall Height of Fork at Full Lift (top of carriage to ground)         in         199.7           11         Clearance at Full Lift and Max Dump         in         114.1           12         Max Discharge Angle from Horizontal         deg         45           13         Overall Carriage Width         in         87.3           14         Overall Carriage Height         in         87.3           15         Outside Tine Width (max spread)         in         81.5           16         Outside Tine Width (min spread)         in         15.5           Tine Width (single tine)         in         15.9         mm         6300           Tine Thickness         in         2.6         13.8         13.85	9	Ground to Top of Tine at Maximum Height and Fork Level		
II         Clearance at Full Lift and Max Dump         III         199.7           11         Clearance at Full Lift and Max Dump         in         12897           12         Max Discharge Angle from Horizontal         deg         45           13         Overall Carriage Width         in         87.3           14         Overall Carriage Height         in         83.1           15         Outside Tine Width (max spread)         in         81.5           16         Outside Tine Width (min spread)         in         15.9           Tine Width (single tine)         in         2.6         in         2.6           Tine Capacity         kg         6300         13885         0	40	Overall Height of Fork at Full Lift (ten of corrigge to ground)	mm	5072
11       Clearance at Full Lift and Max Dump       in       114.1         12       Max Discharge Angle from Horizontal       deg       45         13       Overall Carriage Width       in       87.3         14       Overall Carriage Height       mm       840         15       Outside Tine Width (max spread)       in       81.5         16       Outside Tine Width (min spread)       in       18.5         Tine Width (single tine)       in       15.9         Tine Thickness       in       2.6         Tine Capacity       kg       6300         Operating Width       kg       35514	-10	Overall height of Fork at Full Lift (top of carriage to ground)		
In         In         In         In           12         Max Discharge Angle from Horizontal         deg         45           13         Overall Carriage Width         mm         2217           14         Overall Carriage Height         in         33.1           15         Outside Tine Width (max spread)         mm         2070           16         Outside Tine Width (min spread)         in         81.5           16         Outside Tine Width (min spread)         in         18.5           Tine Width (single tine)         in         2.6         in         2.6           Tine Capacity         kg         6300         13885         0	11	Clearance at Full Lift and Max Dump		
13         Overall Carriage Width         mm         2217           14         Overall Carriage Height         in         87.3           14         Overall Carriage Height         in         33.1           15         Outside Tine Width (max spread)         in         81.5           16         Outside Tine Width (min spread)         in         81.5           16         Outside Tine Width (single tine)         in         15.9           Tine Width (single tine)         in         5.9           Tine Thickness         in         2.6           Tine Capacity         kg         6300           Description Width         kg         35514		•	In	
13         Overall Carriage Width         in         87.3           14         Overall Carriage Height         in         33.1           15         Outside Tine Width (max spread)         in         31.1           16         Outside Tine Width (min spread)         in         81.5           16         Outside Tine Width (min spread)         in         18.5           Tine Width (single tine)         in         5.9           Tine Thickness         in         2.6           Tine Capacity         kg         6300           Operating Width         kg         335514 <th>12</th> <th>Max Discharge Angle from Horizontal</th> <th>deg</th> <th>45</th>	12	Max Discharge Angle from Horizontal	deg	45
In         67.3           14         Overall Carriage Height         mm         840           15         Outside Tine Width (max spread)         mm         2070           16         Outside Tine Width (min spread)         mm         470           16         Outside Tine Width (single tine)         mm         150.2           Tine Width (single tine)         in         15.9           Tine Thickness         in         2.6           Tine Capacity         kg         6300           Operating Weight         kg         35514	40	Querell Consister Width	mm	2217
14         Overall Carriage Height         in         33.1           15         Outside Tine Width (max spread)         in         81.5           16         Outside Tine Width (min spread)         in         81.5           16         Outside Tine Width (min spread)         in         18.5           Tine Width (single tine)         in         15.0           Tine Thickness         in         2.6           Tine Capacity         kg         6300           Description Weight         kg         35514	13		in	
III         33.1           15         Outside Tine Width (max spread)         mm         2070           16         Outside Tine Width (min spread)         mm         470           17         Outside Tine Width (single tine)         mm         18.5           18         Tine Width (single tine)         in         18.5           19         Tine Thickness         in         2.6           10         Tine Capacity         kg         6300           10         Operating Weight         kg         35514	14	Overall Carriage Height		
15         Outside line Width (max spread)         in         81.5           16         Outside Tine Width (min spread)         in         18.5           Tine Width (single tine)         in         150.0           Tine Thickness         in         2.6           Tine Capacity         kg         6300           Description         13885		0 0		
16         Outside Tine Width (min spread)         mm         470           Tine Width (single tine)         mm         150.0         in         5.9           Tine Thickness         mm         65.0         in         2.6           Tine Capacity         lbs         13885         0         0         13855	15	Outside Tine Width (max spread)		
Tine Width (single tine)         mm         150.0           Tine Width (single tine)         in         5.9           Tine Thickness         in         2.6           Tine Capacity         lbs         13885           Operating Weight         kg         35514	40	Outside Time Width (min servered)		
Ine Width (single tine)         in         5.9           Tine Thickness         in         2.6           Tine Capacity         lbs         13885           Operating Weight         kg         35514	10	Outside The Width (min spread)		
III         3.9           Tine Thickness         in         2.6           Tine Capacity         lbs         13885           Operating Weight         kg         35514		Tine Width (single tine)		
Ine Inickness         in         2.6           Tine Capacity         Ibs         13885           Operating Weight         kg         35514		( 0 )		
Tine Capacity         kg         6300           Departing Weight         kg         35514		Tine Thickness		
		Tine Constitu		
		line Capacity	lbs	13885
lbs 78274		Operating Weight		
		oporating trong.n	lbs	78274

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

\*Negative values indicate below grade

-Payload (SAE J1197) oad (CEN EN 474-3 - Rough Terrain ad (CEN EN 474-3 - Firm & Level) ----Pavl Static Tipping Load - Articulat ing Load - Stra 

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

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Height

Ъ

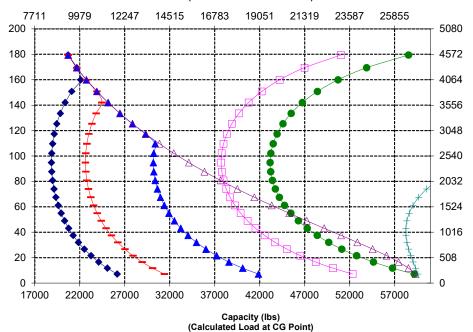
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Hinge (

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

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on 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 (kg) (Calculated Load at CG Point)

Hinge (B) Pin Height (mm)



## 980 Waste & Scrap Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1524 60.0
2	Load Center	mm	762
		in kg	30.0 18462
	Static Tipping Load - Straight (Forks Level)	lbs	40690
	Static Tipping Load - Articulated (Forks Level)	kg	16442
		lbs	36239
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	8221 18120
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8989 19811
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8989 19811
3	Maximum Overall Length	mm	10287
		in	405.0
4	Reach with Forks at Ground Level	mm	1434
		in mm	56.4 -145
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.7
6	Reach with Arms Horizontal and Forks Level	mm	2012
-	Reach with Anns Honzontal and Forks Level	in	79.2
7	Reach with Fork at Maximum Height	mm	928 36.5
	- ·· - ·· · · · · · · · · ·	in mm	2028
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4517
		in	177.8 5292
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	208.3
44	Cleaners at Full Lift and May Duran	mm	2996
11	Clearance at Full Lift and Max Dump	in	118.0
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2217 87.3
<u> </u>		in mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
-13		in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg	6300
		lbs	13885 35652
	Operating Weight	kg Ibs	35652 78577
		105	10311

# **BABURHE** Pallet Fork, FUSION 530-1861 60" Time 530-1861 548-3265

\*Negative values indicate below grade

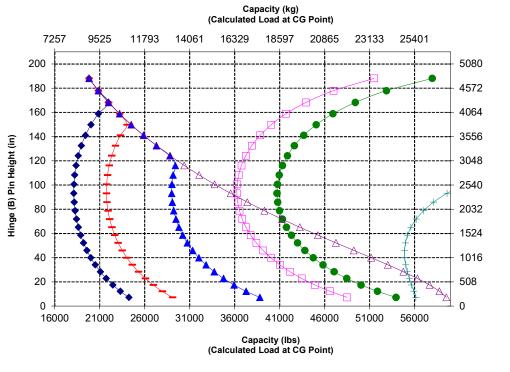
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain
 Payload (CEN EN 474.3 - Frm & Leve)
 -8-Static Tipping Laad - Articulated
 -8-Static Tipping Laad - Articulated
 -4-Hydraulic Tilt Capacity
 -4-Hydraulic Jilt Capacity

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

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

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

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



Hinge (B) Pin Height (mm)

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
-		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg	18732
		lbs kg	41286 16368
	Static Tipping Load - Articulated (Forks Level)	lbs	36075
	Rated Load (SAE J1197 - 50% FTSTL)	kg	8184
		lbs	18038
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8327 18352
		kg	8327
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	18352
3	Maximum Overall Length	mm	10384
-	maximan o foran Eorigan	in	408.8
4	Reach with Forks at Ground Level	mm in	1225 48.2
-	to an it but the state of the s	mm	-146
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.8
6	Reach with Arms Horizontal and Forks Level	mm	1839
·		in	72.4
7	Reach with Fork at Maximum Height	mm in	913 35.9
~	One will be Taxe of The suith Americal state and Facility and	mm	2028
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4297
		in	169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5072 199.7
		mm	2681
11	Clearance at Full Lift and Max Dump	in	105.5
12	Max Discharge Angle from Horizontal	deg	45
	max Broonange / mgro nom nonzenian	<u> </u>	2217
13	Overall Carriage Width	mm in	87.3
	Querell Comiene Unight	mm	840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
		in mm	81.5 470
16	Outside Tine Width (min spread)	in	18.5
	Tine Width (single tine)	mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6 5246
	Tine Capacity	kg Ibs	5246 11562
	Operating Weight	kg	35561

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

\*Negative values indicate below grade

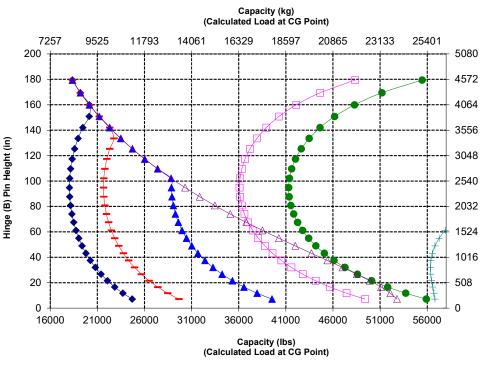
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrair
 Payload (CEN EN 474.3 - Fin & Level)
 -B-Static Tepring Load - Mnoulaid
 -Static Tepring Load - Straight
 -A-Hydraulic Till Capacity
 -Hydraulic Lill Capacity

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

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Hinge (B) Pin Height (mm)

 $\triangle$ 

#### **Fork Specifications**

	•		
1	Tine Length	mm in	1830 72.0
2	Load Center	mm	915
-		in	36.0
	Static Tipping Load - Straight (Forks Level)	kg Ibs	17694 38998
	Otation Transform Lands Andrews Act of (Exclusion Lands)	ka	15754
	Static Tipping Load - Articulated (Forks Level)	lbs	34723
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7877
	, ,	lbs ka	17361 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
		lbs	17566
3	Maximum Overall Length	mm in	10593 417.0
4	Reach with Forks at Ground Level	mm	1434
4	Reach with Forks at Ground Level	in	56.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-145
-	Ŭ	in mm	-5.7
6	Reach with Arms Horizontal and Forks Level	in	79.2
7	Reach with Fork at Maximum Height	mm	928
'		in	36.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2028 79.8
-		mm	4517
9	Ground to Top of Tine at Maximum Height and Fork Level	in	177.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5292
	o torain hoight off off at t an Eint (top of barnage to ground)	in	208.3
11	Clearance at Full Lift and Max Dump	mm in	108.6
4.0	Mar Diashanna Angla familianatal		
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm	2217
	•	in mm	<u>87.3</u> 840
14	Overall Carriage Height	in	33.1
15	Outside Tine Width (max spread)	mm	2070
15		in	81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
		mm	150.0
	Tine Width (single tine)	in	5.9
	Tine Thickness	mm	65.0
		in	2.6
	Tine Capacity	kg Ibs	5246 11562
	On and the set We take	kg	3569
	Operating Weight	lbs	78680

## **980 IW HL** Pallet Fork, FUSION 37" Carriage 530-1869 530-1861 530-1869530-1869

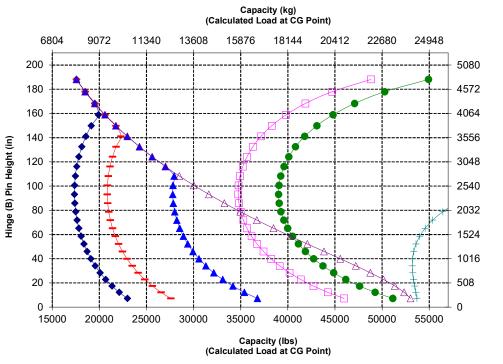
\*Negative values indicate below grade

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

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

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

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Hinge (B) Pin Height (mm)



#### **Fork Specifications**

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	18136
		lbs	39972 15764
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	34743
		kg	7882
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	17371
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	8905
		lbs	19627
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	8905
	,	lbs mm	19627 10347
3	Maximum Overall Length	in	407.4
-	Deadle with Federat Occurrent Level	mm	1189
4	Reach with Forks at Ground Level	in	46.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-95
		in	-3.7
6	Reach with Arms Horizontal and Forks Level	mm	1826
		in mm	71.9 899
7	Reach with Fork at Maximum Height	in	35.4
•	Crewed to Tax of Ting with Arms Havingental and Farly Laws	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	4368
	Cround to rop of this at Maximain holght and ront Eover	in	172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
		mm	2502
11	Clearance at Full Lift and Max Dump	in	98.5
40	Max Discharge Angle from Horizontal		55
12	Max Discharge Angle Ironi Honzoniai	deg	
13	Overall Carriage Width	mm	2821
	oronan oannago maan	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		in	29.4
	Tine Width (single tine)	mm	250.0
		in mm	<u>9.8</u> 85.0
	Tine Thickness	in	3.3
	The Question	kg	18700
	Tine Capacity	lbs	41215
	Operating Weight	kg	36438
		lbs	80310

## **980 IW STD** 108" Carriage 72" Tine **Construction Fork, FUSION** 523-4199 523-4200 ⊕2 Ĺ5

\*Negative values indicate below grade

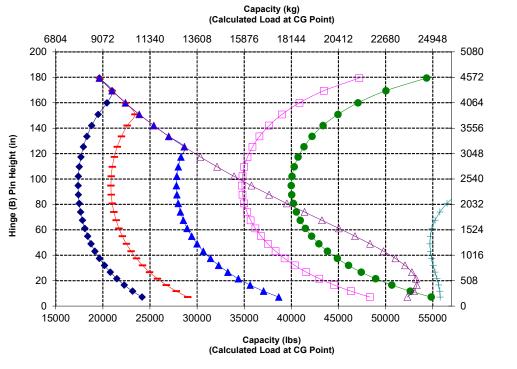
-Payload (SAE J1197) load (CEN EN 474-3 - Rough Terrain Static Tipping Load - Articulate ping Load - Strai -A-Hydraulic Tilt Capa 

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

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

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

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Hinge (B) Pin Height (mm)

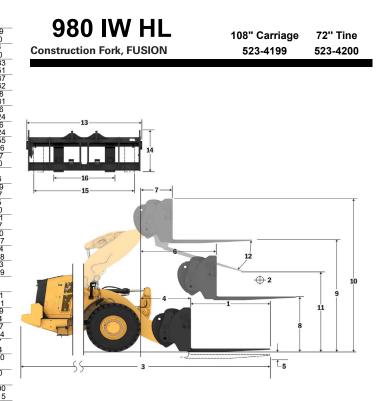


## 980 Waste & Scrap Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm	914
_		in kg	36.0 17083
	Static Tipping Load - Straight (Forks Level)	lbs	37651
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15137 33362
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7568 16681
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	k <u>g</u> Ibs	8586 18924
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	8586 18924
3	Maximum Overall Length	mm in	10555 415.6
4	Reach with Forks at Ground Level	mm in	1397 55.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-91 -3.6
6	Reach with Arms Horizontal and Forks Level	mm in	1999 78.7
7	Reach with Fork at Maximum Height	mm	915 36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2101 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4590 180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5634 221.8
11	Clearance at Full Lift and Max Dump	mm in	2613 102.9
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm	1129 44.4
15	Outside Tine Width (max spread)	mm	2627
16	Outside Tine Width (min spread)	in mm	747
		in mm	29.4 250.0
	Tine Width (single tine)	in	9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg	18700
		lbs	41215
	Operating Weight	kg Ibs	36576 80613



\*Negative values indicate below grade

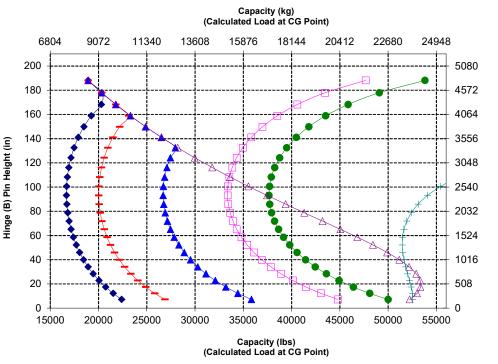
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terral
 Payload (CEN EN 474.3 - Firm & Level
 Payload

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

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

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

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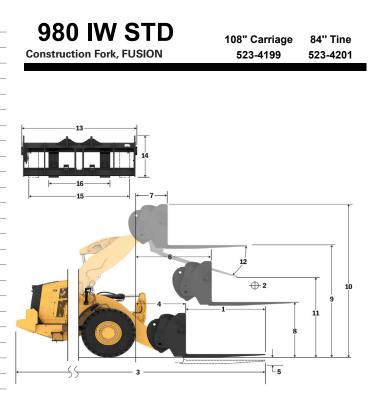


Hinge (B) Pin Height (mm)



#### **Fork Specifications**

1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg	17316
		lbs	38165
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	15038 33144
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7519 16572
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7914 17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	7914 17442
3	Maximum Overall Length	mm in	10655 419.5
4	Reach with Forks at Ground Level	mm in	1193 47.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-95 -3.7
6	Reach with Arms Horizontal and Forks Level	mm	1826
	Reach with Arms Honzontal and Forks Level	in	71.9
7	Reach with Fork at Maximum Height	mm in	899 35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2104 82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4373 172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
11	Clearance at Full Lift and Max Dump	mm in	2251 88.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm	1129
	5 5	in mm	44.4
15	Outside Tine Width (max spread)	in	103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm	90.0
		in kg	3.5
	Tine Capacity	lbs	39075
	Operating Weight	kg Ibs	36540 80535
			00000



\*Negative values indicate below grade

+ Pay ad (SAE J119) Payload (CEN EN 474-3 - Rough ---Static Tipping Load - Straight -A-Hydraulic Tilt Cap + 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.

Height (in)

Pin

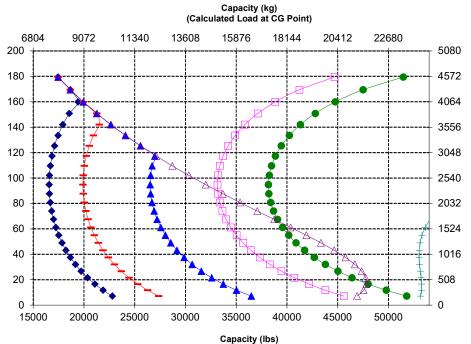
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Hinge (

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

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static 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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(Calculated Load at CG Point)



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

Hinge (B) Pin Height (mm)

## 980 Waste & Scrap Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	2134 84.0
2	Load Center	mm	1067
		in	42.0
	Static Tipping Load - Straight (Forks Level)	kg	16333
		lbs kg	35997 14461
	Static Tipping Load - Articulated (Forks Level)	lbs	31871
	Rated Load (SAE J1197 - 50% FTSTL)	kg	7230
		lbs	15936
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	7633 16824
		kg	7633
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	16824
3	Maximum Overall Length	mm	10863
	Ŭ	in	427.7
4	Reach with Forks at Ground Level	mm in	55.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm	-91
- 5	Ground to Bottom of The at Minimum Height and Fork Level	in	-3.6
6	Reach with Arms Horizontal and Forks Level	mm	1999
		in mm	78.7 915
7	Reach with Fork at Maximum Height	in	36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	2106
	Ground to Top of This with Arns Honzontal and Tork Level	in	82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4595 180.9
40		mm	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	mт	2346
	•	in	92.4
12	Max Discharge Angle from Horizontal	deg	61
42	Overall Carriage Width	mm	2821
13		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
		in	29.4
	Tine Width (single tine)	mm in	250.0 9.8
	The Thisteen	mm	90.0
	Tine Thickness	in	3.5
	Tine Capacity	kg	17729
		lbs	39075
	Operating Weight	kg Ibs	36678 80838
		109	00000

# 980 IW HL Construction Fork, FUSION 108" Carriage 523-4201 523-4199 523-4201

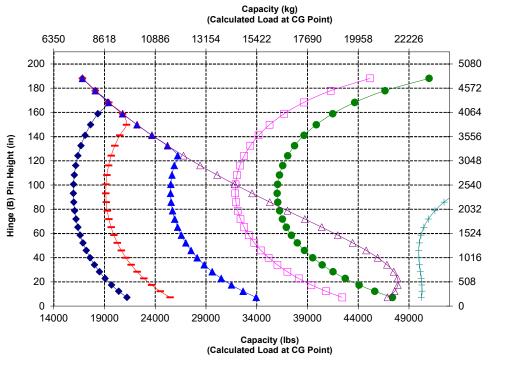
\*Negative values indicate below grade

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

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

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

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Hinge (B) Pin Height (mm)

#### **Fork Specifications**

1 Tine Length	mm in	2438 96.0
2 Lood Conton	mm	1219
2 Load Center	in	48.0
Static Tipping Load - Straight (Forks Level)	kg	16496
	lbs	36358
Static Tipping Load - Articulated (Forks Level)	kg Ibs	14307 31532
	kq	7041
Rated Load (SAE J1197 - 50% FTSTL)	lbs	15518
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTS	kg kg	7041
	, IDS	15518
Rated Load (CEN EN 474-3 Firm and Level Ground - 8	30% FTSTL) kg	7041
	Ibs mm	15518 10964
3 Maximum Overall Length	in	431.7
A Development Committee of Comm	mm	1197
4 Reach with Forks at Ground Level	in	47.1
5 *Ground to Bottom of Tine at Minimum Height and For	klevel mm	-93
	In	-3.7
6 Reach with Arms Horizontal and Forks Level	mm in	1831 72.1
	mm	904
7 Reach with Fork at Maximum Height	in	35.6
8 Ground to Top of Tine with Arms Horizontal and Fork I		2106
8 Ground to rop of the with Arms Honzontar and Fork t	In	82.9
9 Ground to Top of Tine at Maximum Height and Fork Le	evel mm	4375
	In	172.2 5412
10 Overall Height of Fork at Full Lift (top of carriage to gro	ound) in	213.1
	mm	1998
11 Clearance at Full Lift and Max Dump	in	78.6
12 Max Discharge Angle from Horizontal	deg	55
	0	
13 Overall Carriage Width	mm in	2821 111.1
	mm	1127
14 Overall Carriage Height	in	44.4
15 Outside Tine Width (max spread)	mm	2629
15 Outside Tille Widtit (flax spread)	in	103.5
16 Outside Tine Width (min spread)	mm	747
	inmm	29.4 250.0
Tine Width (single tine)	in	250.0
Tine Thiskness	mm	90.0
Tine Thickness	in	3.5
Tine Capacity	kg	15750
	lbs	34713
Operating Weight	kg	36691
	lbs	80868

## **980 IWS STD** Construction Fork, FUSION 108" Carriage 523-4202 523-4202523-4202

\*Negative values indicate below grade

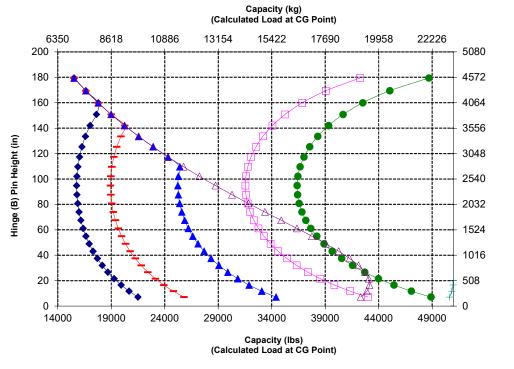
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain
 Payload (CEN EN 474.3 - Firm & Level)
 -B-Static Tipping Load - Atriculated
 Static Tipping Load - Straight
 -A-Hydratulic Till Capacity
 -Hydraulic Lill Capacity

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

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

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

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



Hinge (B) Pin Height (mm)

 $\triangle$ 

## 980 Waste & Scrap Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

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

#### **980 IW HL** <u>523-4199</u> 96" Tine 523-4202 108" Carriage 523-4202523-42

\*Negative values indicate below grade

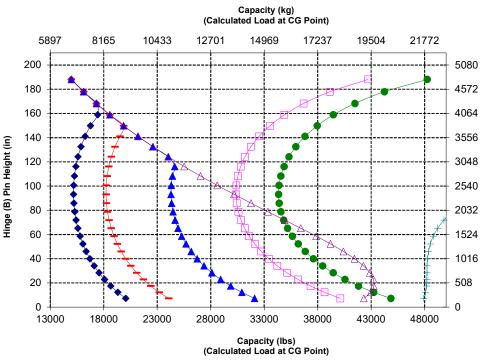
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terral
 Payload (CEN EN 474.3 - Rim & Level
 Payload (CEN EN 474.3 - Rim & Rim & Level
 Payload (CEN EN 474.3 - Rim & Ri

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

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

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

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



Hinge (B) Pin Height (mm)





## **980** Forestry Machine

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

#### **Proven Reliability**

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

#### **Durability**

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

#### **Superior Fuel Efficiency & Productivity**

- Forestry package includes additional counterweight, heavier rear frame, larger tilt cylinders, shorter tilt links, and an extreme service transmission to increase machine capacity over the base model.
- Optional variable pitch fan and high debris coolers minimize the potential for overheating and reduce downtime for radiator clean out in high debris applications.
- Optional 3rd valve auxiliary hydraulics to control work tools requiring the additional function.
- Extreme service powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Optional limited slip differentials increase traction and reduce tire slip, lowering operating costs.
- Deeply integrated engine, power train, and hydraulic systems deliver unmatched productivity and fuel efficiency.

#### **Safety Features**

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

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

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

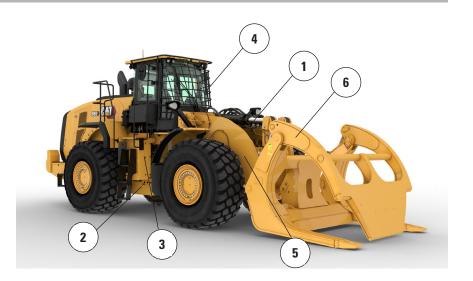
#### Work in Comfort in the All New Cab

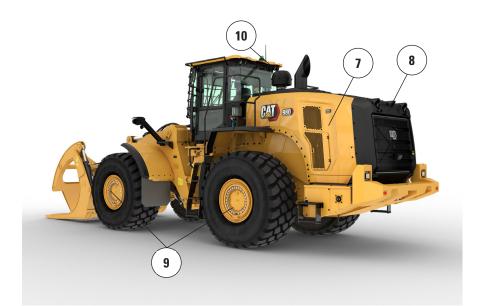
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and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

## **980 Forestry Machine Specifications**

#### **980 Forestry Machine Features**

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





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

#### **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	L4	L–3	L–3	L–3	L4
Tread Pattern	VSNT	XLDD1	VJT	XHA2	MS302	MS405DX
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"	3270 mm 10'9"	3256 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"	3290 mm 10'10"	3282 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		-7 mm -0.3"	-23 mm -0.9"	-40 mm -1.6"	-19 mm -0.8"	-33 mm -1.3"
Change in Horizontal Reach		-1 mm 0"	20 mm 0.8"	23 mm 0.9"	6 mm 0.2"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	29 mm 1.1"	36 mm 1.4"	30 mm 1.2"	22 mm 0.9"
Change in Clearance Circle to Inside of Tires		-42 mm -1.7"	-29 mm -1.1"	-36 mm -1.4"	-30 mm -1.2"	-22 mm -0.9"
Change in Operating Weight (without Ballast)		-156 kg -344 lb	-684 kg -1,508 lb	−700 kg −1,544 lb	-528 kg -1,164 lb	-388 kg -856 lb
Change in Static Tipping Load – Straight		-119 kg -262 lb	-520 kg -1,147 lb	-532 kg -1,174 lb	-402 kg -885 lb	–295 kg –651 lb
Change in Static Tipping Load – Articulated		-103 kg -228 lb	-453 kg -998 lb	-463 kg -1,022 lb	-350 kg -771 lb	–257 kg –566 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"
*Width over tire bulge and includes tire growth						

\*Width over tire bulge and includes tire growth.

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

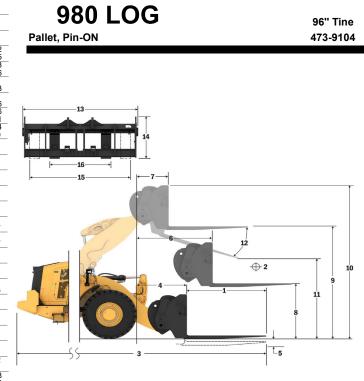
\*Width over tire bulge and includes tire growth.

## **980 Forestry Machine Specifications**

#### **Fork Specifications**

#### **Fork Specifications**

	•		
1	Tine Length	mm in	2438 96.0
2	Load Center	mm	1219
	Otatia Tinning Lond Otaciakt (Forke Loval)	in kg	48.0
	Static Tipping Load - Straight (Forks Level)	lbs	33835
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	13533 29826
	Rated Load (SAE J1197 - 50% FTSTL)	kg	6766
	, , , , , , , , , , , , , , , , , , ,	lbs kq	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 Ibs	10826 23861
	Manifester Occurrent	mm	11174
3	Maximum Overall Length	in	439.9
4	Reach with Forks at Ground Level	mm in	1318 51.9
-	*One und to Detterm of Time of Minimum Height and Fork Lovel	mm	-143
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-5.6
6	Reach with Arms Horizontal and Forks Level	mm in	1840 72.4
7	Reach with Fork at Maximum Height	mm	913
	•	in	35.9 2169
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	85.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4438
		in mm	174.7 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 85.3
- 10	Marchine Angle from Hadrentel	in	
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm	1575
		in	62.0 2671
15	Outside Tine Width (max spread)	mm in	105.1
16	Outside Tine Width (min spread)	mт	849
	( · · )	in mm	33.4 88.9
	Tine Width (single tine)	in	3.5
	Tine Thickness	mm	203.2
	The Oracette	in kg	8.0 11068
	Tine Capacity	lbs	24393
_	Operating Weight	kg Ibs	31500 69426
		ibs	09420



\*Negative values indicate below grade

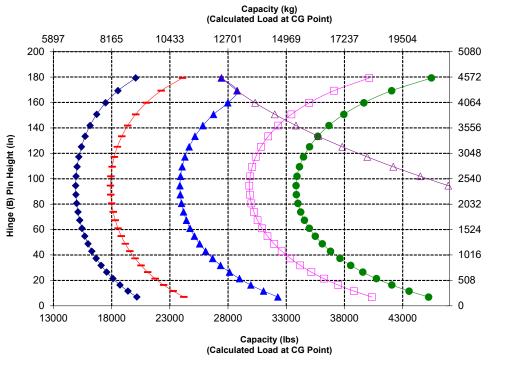
Payload (SAE J1197)
 Payload (CEN EN 474.3 - Rough Terrain)
 Payload (CEN EN 474.3 - Rough Terrain)
 -@-Static Teping Load - Articulated
 -@-Static Teping Load - Straight
 -@-Hydraulic IR Capacity

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

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

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

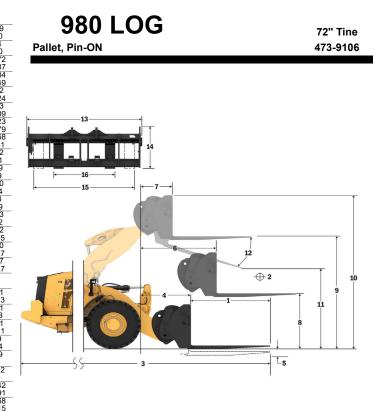
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Hinge (B) Pin Height (mm)

#### **Fork Specifications**

1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg	16872
		lbs kg	37187
	Static Tipping Load - Articulated (Forks Level)	lbs	32849
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	7452 16424
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	8943 19709
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg Ibs	11923 26279
3	Maximum Overall Length	mm in	10568 416.1
4	Reach with Forks at Ground Level	mm	1322
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in mm	52.1 -149
		in	-5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1840 72.4
7	Reach with Fork at Maximum Height	mm	913
-	°	in mm	35.9 2163
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	85.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4432 174.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5810
	<b>3</b> (1 <b>0 0</b> )	in mm	228.7 2607
11	Clearance at Full Lift and Max Dump	in	102.7
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	ņт	1581
		in mm	62.3 2671
15	Outside Tine Width (max spread)	in	105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg	14742
		lbs	32491
	Operating Weight	kg Ibs	31268 68915
	+N1		



\*Negative values indicate below grade

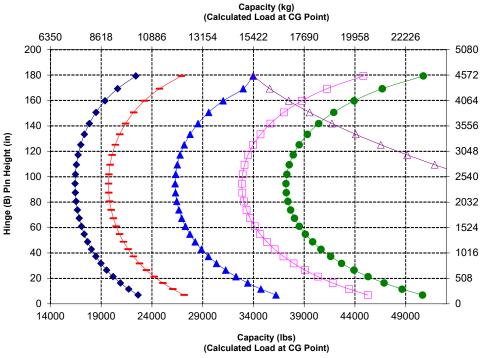
Payload (SAE J1197)
 Payload (SAE J1197)
 Payload (CEN EX 474.3 - Rough Ternain
 Payload (CEN EX 474.3 - Fim & Level)
 Static Tipping Load - Articulated
 Static Tipping Load - Straight
 \_--Hydraulic Lift Capacity
 ---Hydraulic Lift Capacity

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

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

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

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



Hinge (B) Pin Height (mm)

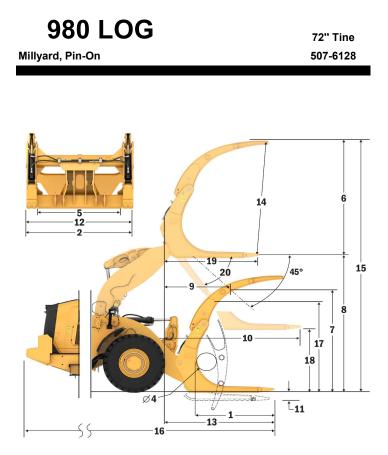


### **980 Forestry Machine Specifications**

#### **Fork Specifications**

#### **Fork Specifications**

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



\*Negative values indicate below grade

-Payload (SAE J1197)

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

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

-G-State Tipping Load - A

--Static Tipping Load - Straight

-d-Hydraulic Tilt Capacity

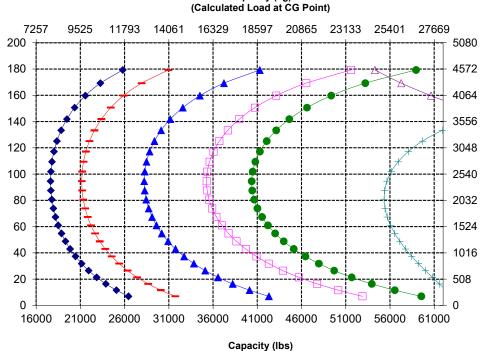
----Hydraulic Lift Capacity

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

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3. Hinge (B) Pin Height (in)

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

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



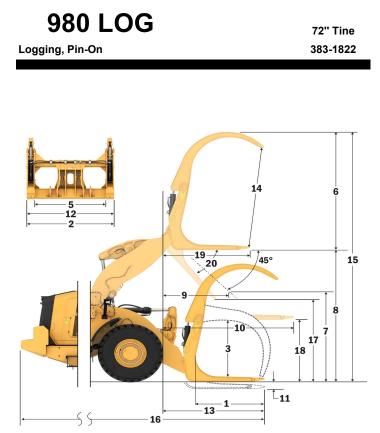
Capacity (kg)

(Calculated Load at CG Point)

# Hinge (B) Pin Height (mm)

#### **Fork Specifications**

			4000
1	Tine length	mm	1826
		in	71.9
2	Fork width	mm	2802
		in	110.3
	End area	m2 ft2	2.43 26
	Inside Height	mm	1540
3	(only applies to double top clamp)	in	61
	Min. opening	mm	N/A
4	(only applies to millyard forks)	in	N/A
		kg	31970
	Operating Weight	lbs	70481
		mm	2256
5	Distance inside of tine tips	in	89
	Static tipping load, articulated	kg	15920
	Fork level	lbs	35097.5
	Static tipping load, straight	kg	18102
	Fork level	lbs	39906.6
~	Max. height of fork	mm	3394
6	(w/clamp open if applicable)	in	133.6
7	Clearance w/full lift, 45 deg dump	mm	2979
'	(if max. dump <> 45)	in	117.3
8	Clearance @ full lift fork level	mm	4301
	-	in	169.3
9	Reach w/full lift, 45 deg dump	mm	1603
	(if max. dump <> 45)	in	63.1
10	Reach w/lift arm horizontal and fork level	mm	3287
		in	129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm	-77
		in	-3.0
12	Width over tines	mm	2752
		in	108.4
13	Reach @ ground level	mm	2570
		in	101
14	Max. opening across tine and clamp	mm	2936
	Overall height of fank @ full lift and	in	115.6
15	Overall height of fork @ full lift and	mm	7695
	clamp open Overall length	in	303.0
16	Tip of tine to rear of machine	mm	9987 393.2
	Clearance @ full lift and max. dump	in mm	2936
17	Discharge (if <> 45)	in	2930 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	2359.9 92.9
		deg	47
20	Max. discharge angle from horizontal	rad	0.8
	+NI	Tau	0.0



\*Negative values indicate below grade

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

- -B-Static Tipping Load Art

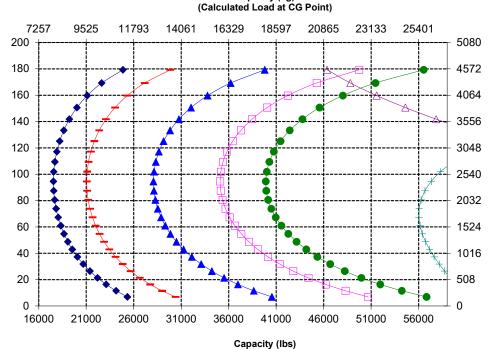
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone \* VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Hinge (B) Pin Height (in)

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

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

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



Capacity (kg)

(Calculated Load at CG Point)

Hinge (B) Pin Height (mm)





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

#### **Proven Reliability**

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

#### **Durability**

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

#### **Superior Fuel Efficiency & Productivity**

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

#### **Safety Features**

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

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

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

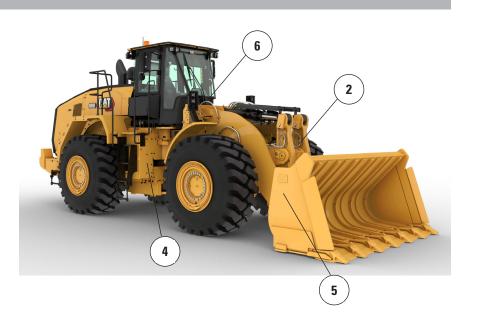
#### Work in Comfort in the All New Cab

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

## 980 Steel Mill Specifications

#### **980 Steel Mill Features**

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





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

## 980 Steel Mill Specifications

#### **Tire Options**

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

\*Width over tire bulge and includes tire growth.

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

\*Width over tire bulge and includes tire growth.

#### **Tire Options**

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

\*Width over tire bulge and includes tire growth.

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

\*Width over tire bulge and includes tire growth.

Linkage		Standard Linkage	
Bucket Type		Slag – Pin-On	
Edge Type		Teeth and Segments	
Capacity – Rated	m <sup>3</sup>	3.80	
	yd <sup>3</sup>	5.00	
Capacity - Rated at 110% Fill Factor	m <sup>3</sup>	4.20	
	yd <sup>3</sup>	5.50	
Width	mm	3394	
	ft/in	11'1"	
<b>16</b> <sup>†</sup> Dump Clearance at Maximum Lift	mm	3206	
and 45° Discharge	ft/in	10'6"	
7† Reach at Maximum Lift and	mm	1493	
45° Discharge	ft/in	4'10"	
Reach at Level Lift Arm and	mm	3021	
Bucket Level	ft/in	9'10"	
A† Digging Depth	mm	114	
	in	4.5"	
<b>I2</b> <sup>↑</sup> Overall Length	mm	9793	
	ft/in	32'2"	
<b>B</b> † Overall Height with Bucket at	mm	6016	
Maximum Lift	ft/in	19'9"	
Loader Clearance Circle Radius	mm	7635	
with Bucket at Carry Position	ft/in	25'1"	
Static Tipping Load, Straight	kg	20 885	
(With tire deflection)	lb	46,031	
Static Tipping Load, Straight	kg	22 305	
(No tire deflection)	lb	49,161	
Static Tipping Load,	kg	17 710	
Articulated (With tire deflection)	lb	39,033	
Static Tipping Load, Articulated	kg	18 982	
(No tire deflection)	lb	41,836	
Breakout Force (§)	kN	257	
	lbf	57,919	
Operating Weight*	kg	33 895	
	lb	74,704	

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

† Illustration shown with Dimension charts.

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

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

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



## **980** Block Handler

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

#### **Proven Reliability**

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

#### Durability

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

#### **Superior Fuel Efficiency & Productivity**

- Block handler package includes larger tilt cylinders and counterweight for increased load control.
- Rack limiting feature to prevent unintended lever contact with the blocks.
- Block handler counterweight with integrated guard offers higher payload capability for block handling.
- Powershift transmission with lock-up clutch increases fuel efficiency while delivering optimal performance.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Optional limited slip differentials increase traction and reduce tire slip, lowering operating costs.
- Deeply integrated engine, power train, and hydraulic systems deliver unmatched productivity and fuel efficiency.

#### **Safety Features**

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

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

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

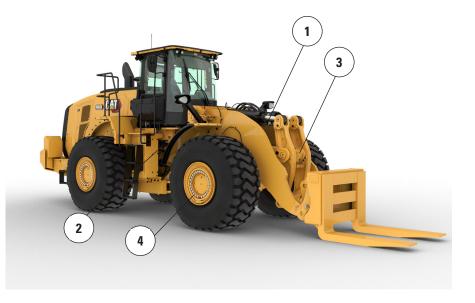
#### Work in Comfort in the All New Cab

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

## **980 Block Handler Specifications**

#### **980 Block Handler Features**

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





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

#### **Tire Options**

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

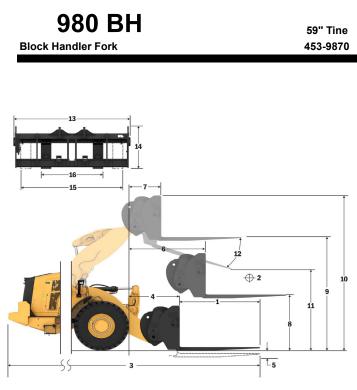
\*Width over tire bulge and includes tire growth.

## 980 Block Handler Specifications

#### **Fork Specifications**

#### **Fork Specifications**

1	Tine Length	mm in	1495 58.9
2	Load Center	mm	748
2	Load Center	in	29.4
	Static Tipping Load - Straight (Forks Level)	kg	21931
		lbs kg	48335
	Static Tipping Load - Articulated (Forks Level)	lbs	42273
	Rated Load (SAE J1197 - 50% FTSTL)	kg	9590
		lbs	21137
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	11508 25364
	Data d Local (OEN EN 474 9 Eine and Local Oracin d. 200/ ETOTL)	ka	15344
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	33819
3	Maximum Overall Length	mm	10365
<u> </u>		in	408.1
4	Reach with Forks at Ground Level	mm in	1259 49.6
-		mm	-254
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	in	-10.0
6	Reach with Arms Horizontal and Forks Level	mm	1766
•		in	69.5
7	Reach with Fork at Maximum Height	mm in	839 33.0
-		mm	1971
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	77.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	4239
	Ground to Top of Thile at Maximum Height and Fork Level	in	166.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5284 208.0
		in mm	208.0
11	Clearance at Full Lift and Max Dump	in	111.9
12	Max Discharge Angle from Horizontal	deg	47
12	Overall Carriage Width	mm	1504
		in	59.2
14	Overall Carriage Height	mm in	1160 45.7
		mm	1454
15	Outside Tine Width (max spread)	in	57.2
16	Outside Tine Width (min spread)	mm	1454
10		in	57.2
	Tine Width (single tine)	mm	300.0
	( <b>•</b> )	in mm	<u>11.8</u> 115.0
	Tine Thickness	in	4.5
	Tine Capacity	kg	26488
	The Dapacity	lbs	58380
	Operating Weight	kg	33601
		lbs	74056



\*Negative values indicate below grade

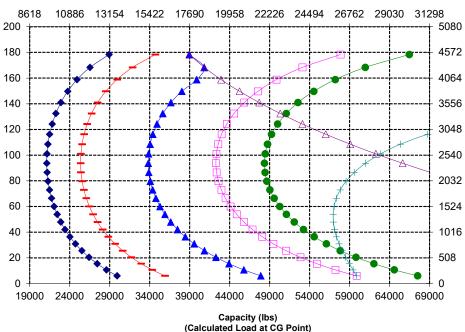
-Payload (SAE J1197)
Payload (CEN EN 474-3 - Rough Terrain
-O-Static Tipping Load - Articulated
Static Tipping Load - Straight
Hydraulic Lift Capacity

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

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3. Hinge (B) Pin Height (in)

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

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



Capacity (kg) (Calculated Load at CG Point)

> 54 56

Hinge (B) Pin Height (mm)





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

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

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