966 XE
Wheel Loader

Technical Specifications

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

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966 XE Wheel Loader Specifications

Engine

Engine Model	Cat® C9.3B	
Engine Power @ 1,600 rpm – ISO 14396:2002	239 kW 325 hp (metric)	321 hp
Gross Power @ 1,600 rpm – SAE J1995:2014	242 kW 329 hp (metric)	325 hp
Net Power @ 1,600 rpm – ISO 9249:2007, SAE J1349:2011	222 kW 302 hp (metric)	298 hp
Engine Torque @ 1,200 rpm – ISO 14396:2002	1781 N·m	1,313 lbf-ft
Gross Torque @ 1,200 rpm – SAE J1995:2014	1799 N·m	1,327 lbf-ft
Net Torque @ 1,200 rpm – ISO 9249:2007, SAE J1349:2011	1662 N·m	1,226 lbf-ft
Bore	115 mm	
Stroke	149 mm	
Displacement	9.3 L	

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

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

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

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

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

Bucket Capacities

Bucket Range	2.8-11.9 m^3	3.75-15.5 yd^3

Weight

Operating Weight	23 196 kg	51,124 lb

- Weight based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, front manual differential/open rear axles, powertrain guard, secondary steering, sound suppression, and a 4.2 m^3 (5.5 yd^3) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load – Full Turn		
Maximum Articulation Angle (Full Turn)	37°	
With Tire Deflection	14,849 kg	32,727 lb
No Tire Deflection	15,981 kg	35,224 lb
Breakout Force	174 kN	38,999 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	13.0 km/h	8.0 mph
Forward 3	22.7 km/h	14.1 mph
Forward 4	39.5 km/h	24.5 mph
Reverse 1	6.9 km/h	4.3 mph
Reverse 2	13.0 km/h	8.0 mph
Reverse 3	28.8 km/h	17.9 mph
Reverse 4	N/A	N/A

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 849 mm (33 in) roll radius.

Hydraulic System

Implement Pump Type	Variable Displacement Piston, load sensing	
Implement System:		
Maximum Pump Output (1,400 rpm)	348 L/min	92 gal/min
Maximum Operating Pressure	31 000 kPa	4,496 psi
Optional 3rd Function Maximum Flow at Work Tool	240 L/min	63 gal/min
Optional 3rd Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Optional 4th Function Maximum Flow at Work Tool	240 L/min	63 gal/min
Optional 4th Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Hydraulic Cycle Time with Rated Payload:		
Raise from Carry Position	5.5 seconds	
Dump, at Maximum Raise	1.4 seconds	
Lower, Empty, Float Down	2.6 seconds	
Total	9.5 seconds	

Brakes

Brakes	Brakes meet ISO 3450:2011 standards

Axles

Front	Fixed
Rear	Oscillating, ±13 degrees

Service Refill Capacities

Fuel Tank	303 L	80.1 gal
DEF Tank	26 L	6.9 gal
Cooling System	66 L	17.4 gal
Crankcase	23 L	6.1 gal
Transmission	63 L	16.6 gal
Differentials and Final Drives – Front	57 L	15.1 gal
Differentials and Final Drives – Rear	57 L	15.1 gal
Hydraulic Tank	114 L	30.1 gal

Cab

Rollover Protective Structure/Falling Objects Protective Structure (ROPS/FOPS)	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

Sound Performance

Operator Sound Pressure Level (ISO 6396:2008)	67 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	67 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	105 dB(A)

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

Air Conditioning System

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

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO_2 equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

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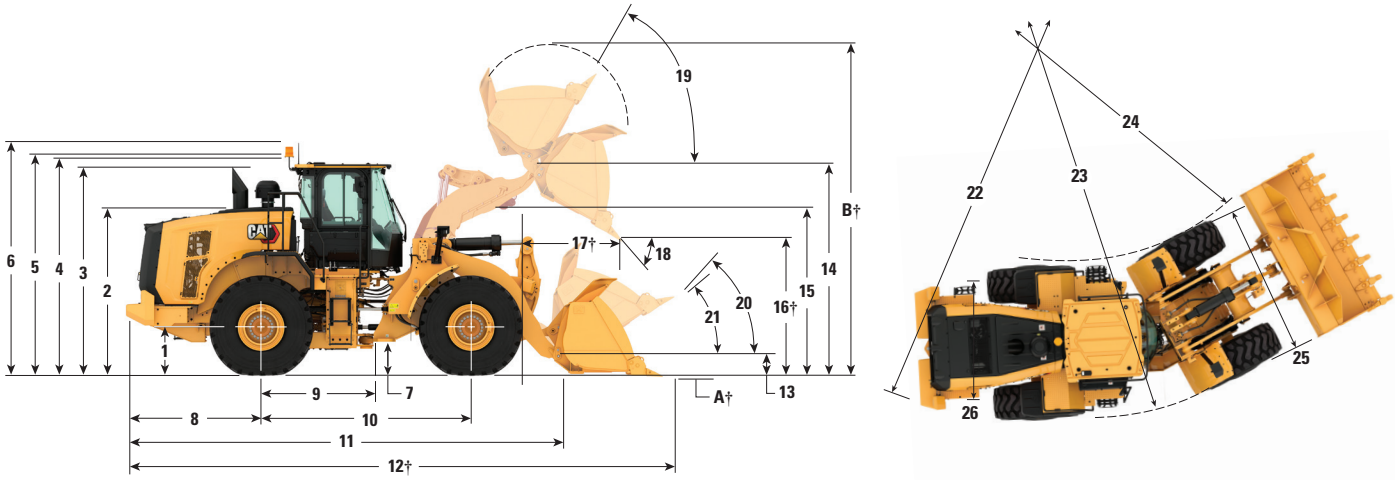
Dimensions

All dimensions are approximate.



		Standard Lift		High Lift	
1	Height to Axle Centerline	809 mm	2'7"	809 mm	2'7"
2	Height to Top of Hood	2850 mm	9'5"	2850 mm	9'5"
3	Height to Top of Exhaust Pipe	3531 mm	11'8"	3531 mm	11'8"
4	Height to Top of ROPS	3593 mm	11'10"	3593 mm	11'10"
5	Height to Top of Product Link™ Antenna	3607 mm	11'11"	3607 mm	11'11"
6	Height to Top of Warning Beacon	3871 mm	12'9"	3871 mm	12'9"
7	Ground Clearance	424 mm	1'4"	424 mm	1'4"
8	Center Line of Rear Axle to Edge of Counterweight	2290 mm	7'7"	2458 mm	8'1"
9	Center Line of Rear Axle to Hitch	1775 mm	5'10"	1775 mm	5'10"
10	Wheelbase	3550 mm	11'8"	3550 mm	11'8"
11	Overall Length (without bucket)	7399 mm	24'4"	8069 mm	26'6"
12	Shipping Length (with bucket level on ground)*†	8851 mm	29'1"	9521 mm	31'3"
13	Hinge Pin Height at Carry Height	635 mm	2'0"	782 mm	2'6"
14	Hinge Pin Height at Maximum Lift	4245 mm	13'11"	4804 mm	15'9"
15	Lift Arm Clearance at Maximum Lift	3687 mm	12'1"	4183 mm	13'8"
16	Dump Clearance at Maximum Lift and 45° Discharge*†	3001 mm	9'10"	3560 mm	11'8"
17	Reach at Maximum Lift and 45° Discharge*†	1350 mm	4'5"	1326 mm	4'4"
18	Dump Angle at Maximum Lift and Dump (on stops)*	49 degrees		48 degrees	
19	Rack Back at Maximum Lift*	62 degrees		71 degrees	
20	Rack Back at Carry Height*	50 degrees		49 degrees	
21	Rack Back at Ground*	39 degrees		37 degrees	
22	Clearance Circle (dia) to Counterweight	13 588 mm	44'7"	13 608 mm	44'8"
23	Clearance Circle (dia) to Outside of Tires	13 621 mm	44'9"	13 621 mm	44'9"
24	Clearance Circle (dia) to Inside of Tires	7598 mm	25'0"	7598 mm	25'0"
25	Width over Tires (unloaded)	2978 mm	9'10"	2978 mm	9'10"
	Width over Tires (loaded)	3012 mm	9'11"	3012 mm	9'11"
26	Tread Width	2230 mm	7'3"	2230 mm	7'3"

†Dimensions are listed in Operating Specifications charts.

All height and tire related dimensions are with Bridgestone 26.5R25 VJT L3 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 4.2 m^3 (5.5 yd^3) general purpose bucket with BOCE (see Operating Specifications for other buckets).

Tire Options

Tire Brand	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE
Tire Size	**26.5R25**	**26.5R25**	**26.5R25**	**26.5-25**	**26.5-25**	**775/65R29**
Tread Type	**L3**	**L4**	**L5**	**L3**	**L4**	**L3**
Tread Pattern	**VJT**	**VSNT**	**VSDL**	**VL2**	**RLS**	**VTS**
Casing Strength	*	*	*	**20PR**	**26PR**	*
Width over Tires – Maximum (empty)*	2978 mm 9'10"	2960 mm 9'9"	2959 mm 9'9"	2937 mm 9'8"	2942 mm 9'8"	3046 mm 10'0"
Width over Tires – Maximum (loaded)*	3012 mm 9'11"	2991 mm 9'10"	2983 mm 9'10"	2948 mm 9'9"	2960 mm 9'9"	3070 mm 10'1"
Change in Vertical Dimensions (average of front and rear)		26 mm 1.0"	43 mm 1.7"	-4 mm -0.1"	38 mm 1.5"	22 mm 0.9"
Change in Horizontal Reach		-21 mm -0.8"	-26 mm -1"	0 mm 0"	-24 mm -0.9"	-4 mm -0.2"
Change in Clearance Circle to Outside of Tires		-21 mm -0.8"	-29 mm -1.1"	-63 mm -2.5"	-52 mm -2.0"	54 mm 2.1"
Change in Clearance Circle to Inside of Tires		21 mm 0.8"	29 mm 1.1"	63 mm 2.5"	52 mm 2.0"	-54 mm -2.1"
Change in Operating Weight (without Ballast)		460 kg 1,014 lb	972 kg 2,143 lb	-364 kg -803 lb	112 kg 247 lb	856 kg 1,887 lb
Change in Static Tipping Load – Straight		334 kg 735 lb	705 kg 1,554 lb	-264 kg -582 lb	81 kg 179 lb	620 kg 1,368 lb
Change in Static Tipping Load – Articulated		297 kg 654 lb	627 kg 1,382 lb	-235 kg -518 lb	72 kg 159 lb	552 kg 1,217 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±13 degrees	±13 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	502 mm 1'8"	502 mm 1'8"	310 mm 1'1"	502 mm 1'8"	502 mm 1'8"	310 mm 1'1"

Tire Brand	MICHELIN	MICHELIN	MICHELIN	MAXAM	MAXAM	MAXAM
Tire Size	**26.5R25**	**26.5R25**	**775/65R29**	**26.5R25**	**26.5R25**	**775/65R29**
Tread Type	**L3**	**L5**	**L3**	**L3**	**L5**	**L3**
Tread Pattern	**XHA2**	**XLDD2**	**XHA2**	**MS302**	**MS503**	**MS302**
Casing Strength	**	*	*	**	**	**
Width over Tires – Maximum (empty)*	2986 mm 9'10"	2970 mm 9'9"	3019 mm 9'11"	2972 mm 9'9"	2960 mm 9'9"	3038 mm 10'0"
Width over Tires – Maximum (loaded)*	3016 mm 9'11"	3005 mm 9'11"	3049 mm 10'1"	2947 mm 9'9"	2986 mm 9'10"	3063 mm 10'1"
Change in Vertical Dimensions (average of front and rear)	-11 mm -0.4"	50 mm 2.0"	15 mm 0.6"	14 mm 0.5"	59 mm 2.3"	49 mm 1.9"
Change in Horizontal Reach	3 mm 0.1"	-34 mm -1.3"	-2 mm -0.1"	-7 mm -0.3"	-31 mm -1.2"	-26 mm -1.0"
Change in Clearance Circle to Outside of Tires	5 mm 0.2"	-12 mm -0.5"	33 mm 1.3"	-65 mm -2.6"	-31 mm -1.2"	47 mm 1.8"
Change in Clearance Circle to Inside of Tires	-5 mm -0.2"	12 mm 0.5"	-33 mm -1.3"	65 mm 2.6"	31 mm 1.2"	-47 mm -1.8"
Change in Operating Weight (without Ballast)	-164 kg -362 lb	716 kg 1,579 lb	668 kg 1,472 lb	-16 kg -35 lb	856 kg 1,887 lb	848 kg 1,869 lb
Change in Static Tipping Load – Straight	-119 kg -262 lb	519 kg 1,145 lb	484 kg 1,067 lb	-12 kg -26 lb	621 kg 1,368 lb	615 kg 1,355 lb
Change in Static Tipping Load – Articulated	-106 kg -233 lb	462 kg 1,018 lb	431 kg 949 lb	-10 kg -23 lb	552 kg 1217 lb	547 kg 1205 lb
Rear Axle Oscillation Angle	±13 degrees	±8 degrees	±8 degrees	±13 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	502 mm 1'8"	310 mm 1'1"	310 mm 1'1"	502 mm 1'8"	310 mm 1'1"	310 mm 1'1"

*Width over tire bulge and includes tire growth.

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Tire Options

Tire Brand	MAXAM MS405DX	TRIANGLE	TRIANGLE	GOODYEAR	GOODYEAR	GOODYEAR
Tire Size	**775/65R29**	**26.5R25**	**26.5-25**	**26.5R25**	**26.5R25**	**26.5R25**
Tread Type	**L3**	**L3**	**L3**	**L3**	**L4**	**L5**
Tread Pattern	**MS405DX**	**TB516**	**TL612**	**RT3B**	**GP4D**	**RT5D**
Casing Strength	**	**	**20PR**	**	**	**
Width over Tires – Maximum (empty)*	3044 mm 10'0"	2969 mm 9'9"	2948 mm 9'9"	2979 mm 9'10"	2985 mm 9'10"	2982 mm 9'10"
Width over Tires – Maximum (loaded)*	3064 mm 10'1"	2991 mm 9'10"	2958 mm 9'9"	2994 mm 9'10"	3033 mm 10'0"	3013 mm 9'11"
Change in Vertical Dimensions (average of front and rear)	23 mm 0.9"	14 mm 0.5"	17 mm 0.7"	20 mm 0.8"	5 mm 0.2"	41 mm 1.6"
Change in Horizontal Reach	-7 mm -0.3"	-6 mm -0.2"	-2 mm -0.1"	-2 mm -0.1"	-5 mm -0.2"	-26 mm -1.0"
Change in Clearance Circle to Outside of Tires	48 mm 1.9"	-21 mm -0.8"	-54 mm -2.1"	-17 mm -0.7"	22 mm 0.8"	1 mm 0"
Change in Clearance Circle to Inside of Tires	-48 mm -1.9"	21 mm 0.8"	54 mm 2.1"	17 mm 0.7"	-22 mm -0.8"	-1 mm 0"
Change in Operating Weight (without Ballast)	560 kg 1235 lb	-64 kg -141 lb	-372 kg -820 lb	276 kg 609 lb	272 kg 600 lb	988 kg 2,179 lb
Change in Static Tipping Load – Straight	406 kg 895 lb	-46 kg -102 lb	-270 kg -595 lb	200 kg 441 lb	197 kg 435 lb	716 kg 1,579 lb
Change in Static Tipping Load – Articulated	361 kg 796 lb	-41 kg -91 lb	-240 kg -529 lb	178 kg 393 lb	175 kg 387 lb	637 kg 1,405 lb
Rear Axle Oscillation Angle	N/A	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	310 mm 1'1"	502 mm 1'8"	502 mm 1'8"	502 mm 1'8"	502 mm 1'8"	310 mm 1'1"

Tire Brand	GOODYEAR	GOODYEAR	BRAWLER HPS SOLIDFLEX SOFTRIDE SMOOTH	BRAWLER HPS SOLIDFLEX TRACTION SMOOTH
Tire Size	**26.5R25**	**775/65R29**	**26.5R25**	**26.5-25**
Tread Type	**L5**	**L4**	**L5**	**N/A**
Tread Pattern	**RL5K**	**GP4D**	**Smooth**	**Traction**
Casing Strength	**	**	**N/A**	**N/A**
Width over Tires – Maximum (empty)*	3046 mm 10'0"	3072 mm 10'1"	2959 mm 9'9"	2230 mm 7'4"
Width over Tires – Maximum (loaded)*	3171 mm 10'5"	3118 mm 10'3"	2968 mm 9'9"	2230 mm 7'4"
Change in Vertical Dimensions (average of front and rear)	56 mm 2.2"	24 mm 1.0"	48 mm 1.9"	40 mm 1.6"
Change in Horizontal Reach	-26 mm -1.0"	-9 mm -0.4"	8 mm 0.3"	9 mm 0.3"
Change in Clearance Circle to Outside of Tires	155 mm 6.1"	102 mm 4.0"	-48 mm -1.9"	-786 mm -31.0"
Change in Clearance Circle to Inside of Tires	-155 mm -6.1"	-102 mm -4.0"	48 mm 1.9"	786 mm 31.0"
Change in Operating Weight (without Ballast)	1060 kg 2,337 lb	884 kg 1,948 lb	4476 kg 9,870 lb	4124 kg 10,787 lb
Change in Static Tipping Load – Straight	769 kg 1,695 lb	641 kg 1,413 lb	3245 kg 7,155 lb	3547 kg 7,820 lb
Change in Static Tipping Load – Articulated	684 kg 1,508 lb	570 kg 1,247 lb	2887 kg 6,366 lb	3155 kg 6,958 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	N/A	N/A
Maximum Single-wheel Rise and Fall	310 mm 1'1"	310 mm 1'1"	310 mm 1'1"	310 mm 1'1"

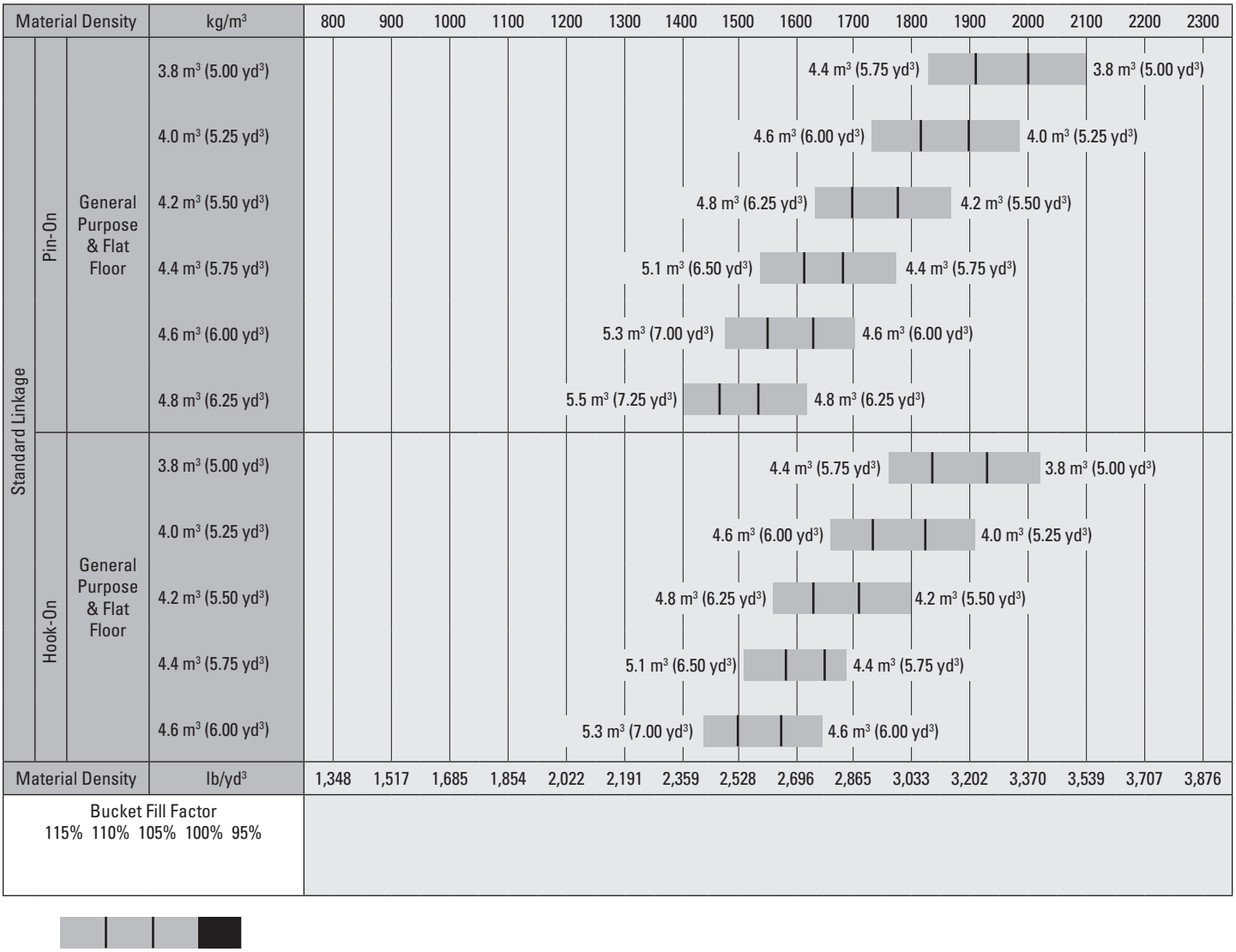
*Width over tire bulge and includes tire growth.

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.



Note: All buckets are showing Bolt-On Edges.

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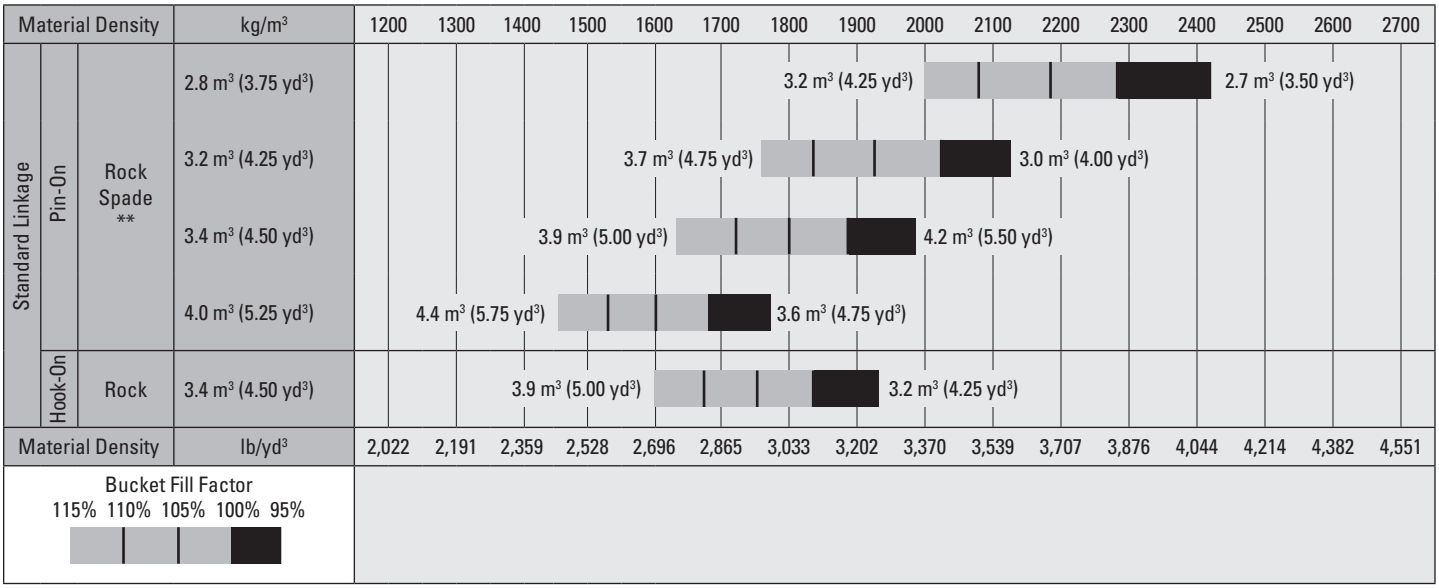

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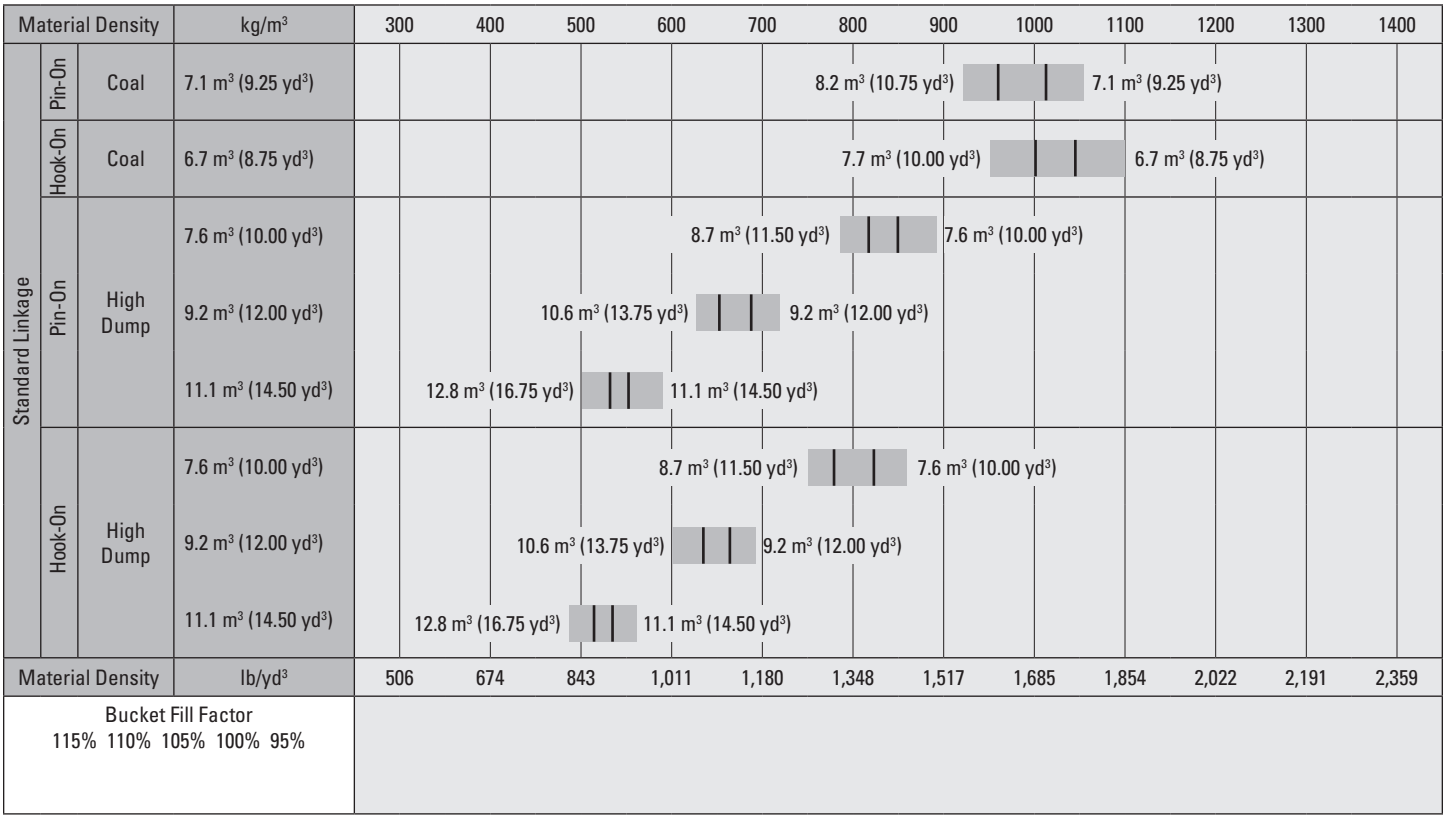

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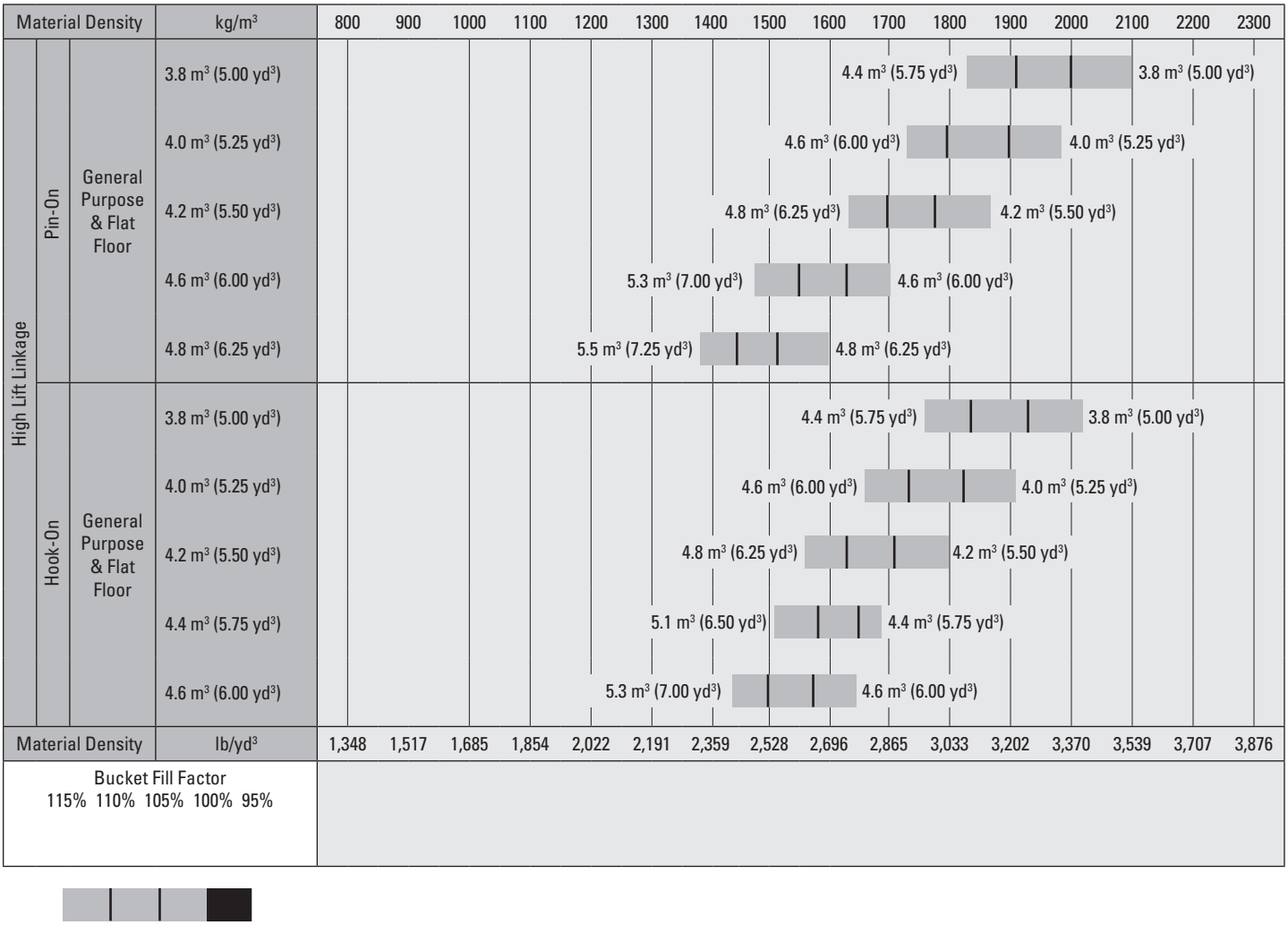

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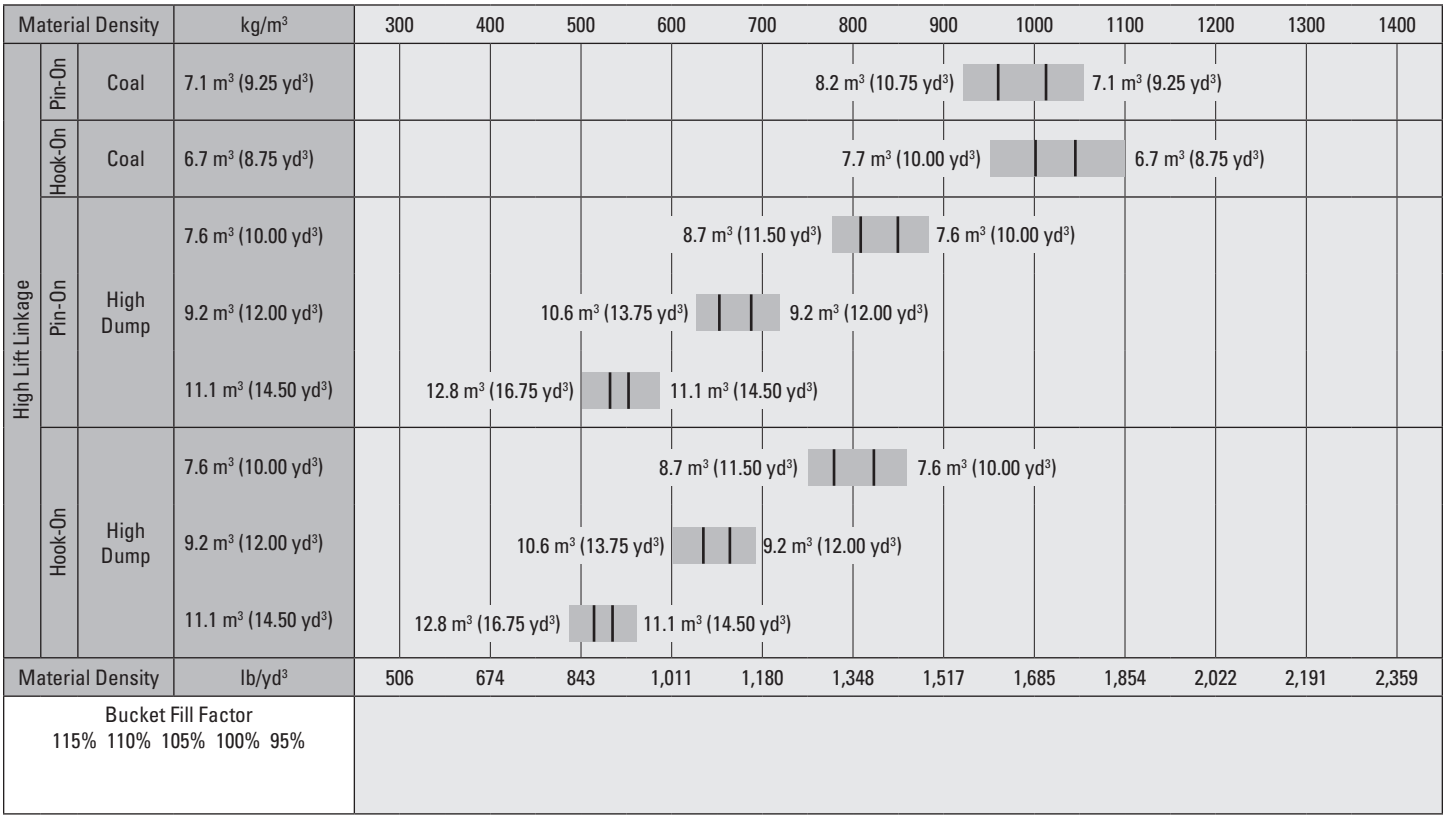

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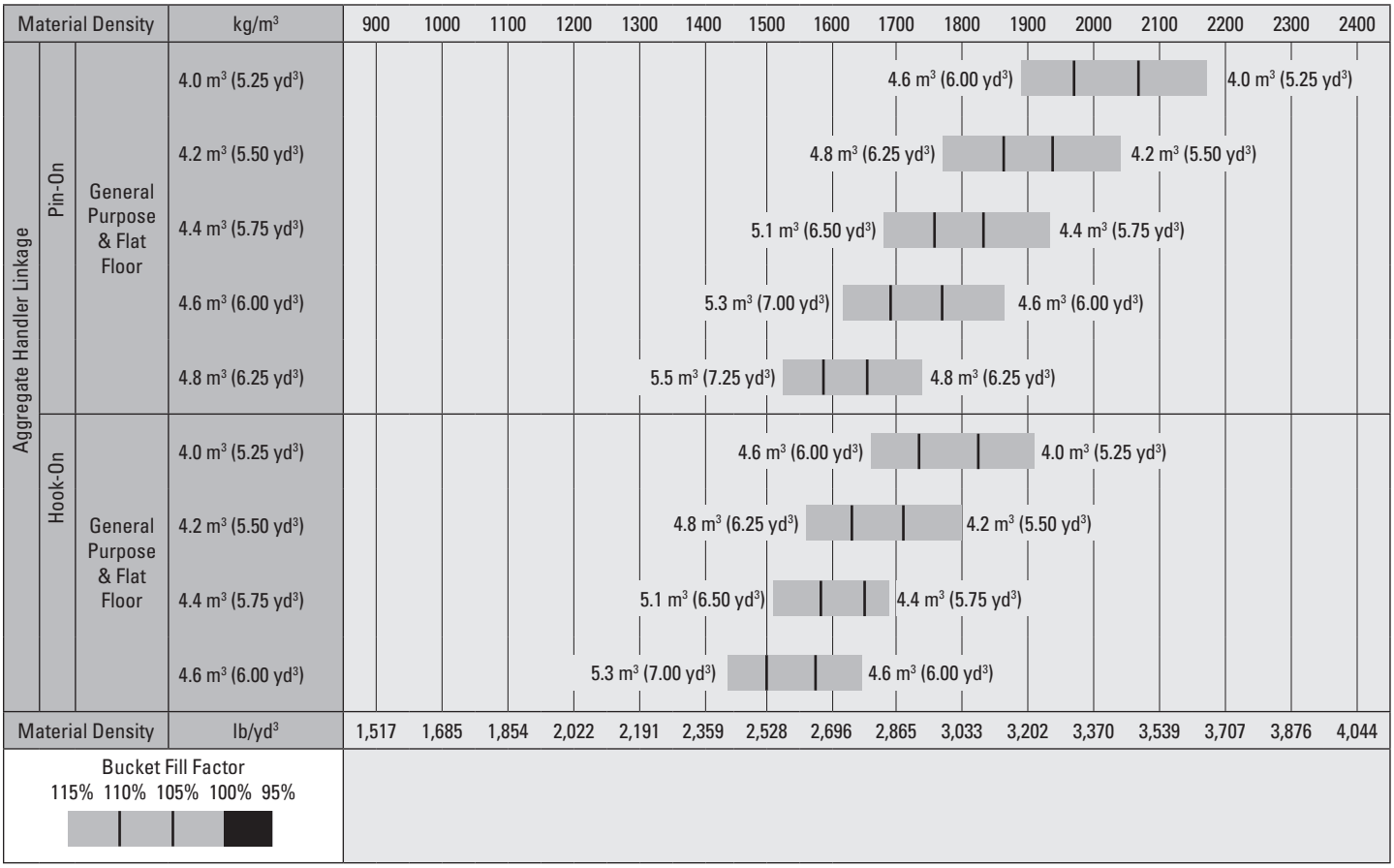
*As a % of ISO 7546:1983 rated capacity.
Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

Operating Specifications – Buckets

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.80	3.80	4.00	4.00
	yd^3	5.00	5.00	5.25	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Width	mm	3220	3301	3220	3301
	ft/in	10'6"	10'9"	10'6"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3077	2901	3068	2892
	ft/in	10'1"	9'6"	10'0"	9'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1289	1422	1296	1427
	ft/in	4'2"	4'7"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2701	2916	2712	2926
	ft/in	8'10"	9'6"	8'10"	9'7"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8753	9007	8765	9017
	ft/in	28'9"	29'7"	28'10"	29'7"
B† Overall Height with Bucket at Maximum Lift	mm	5787	5787	5898	5898
	ft/in	19'0"	19'0"	19'5"	19'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7488	7597	7491	7600
	ft/in	24'7"	25'0"	24'7"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	17 116	16 821	17 098	16 861
	lb	37,724	37,074	37,685	37,163
Static Tipping Load, Straight (No tire deflection)	kg	18 240	17 927	18 232	17 992
	lb	40,202	39,513	40,185	39,654
Static Tipping Load, Articulated (With tire deflection)	kg	15 058	14 770	15 037	14 799
	lb	33,189	32,554	33,142	32,619
Static Tipping Load, Articulated (No tire deflection)	kg	16 189	15 884	16 177	15 936
	lb	35,681	35,008	35,656	35,124
Breakout Force (§)	kN	187	185	185	183
	lbf	42,167	41,580	41,712	41,134
Operating Weight*	kg	23 088	23 262	23 140	23 311
	lb	50,886	51,269	51,001	51,377

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.60	4.60
	yd^3	5.50	5.50	6.00	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	5.10	5.10
	yd^3	6.00	6.00	6.75	6.75
Width	mm	3220	3301	3264	3301
	ft/in	10'6"	10'9"	10'8"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3001	2832	2987	2829
	ft/in	9'10"	9'3"	9'9"	9'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1350	1487	1361	1497
	ft/in	4'5"	4'10"	4'5"	4'10"
Reach at Level Lift Arm and Bucket Level	mm	2800	3015	2818	3024
	ft/in	9'2"	9'10"	9'2"	9'11"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8852	9096	8870	9101
	ft/in	29'1"	29'11"	29'2"	29'11"
B† Overall Height with Bucket at Maximum Lift	mm	5898	5898	6021	6021
	ft/in	19'5"	19'5"	19'10"	19'10"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7512	7618	7537	7618
	ft/in	24'8"	25'0"	24'9"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	16 896	16 691	16 885	16 578
	lb	37,239	36,787	37,214	36,538
Static Tipping Load, Straight (No tire deflection)	kg	18 022	17 814	18 037	17 724
	lb	39,720	39,262	39,754	39,065
Static Tipping Load, Articulated (With tire deflection)	kg	14 849	14 643	14 827	14 520
	lb	32,727	32,275	32,679	32,003
Static Tipping Load, Articulated (No tire deflection)	kg	15 981	15 773	15 985	15 673
	lb	35,224	34,764	35,232	34,544
Breakout Force (§)	kN	173	171	170	167
	lbf	38,999	38,523	38,302	37,614
Operating Weight*	kg	23 196	23 341	23 279	23 451
	lb	51,124	51,443	51,307	51,686

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		**General Purpose – Hook-On – Fusion™**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	3.80	3.80	4.00	4.00
	yd^3	5.00	5.00	5.25	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Width	mm	3220	3271	3201	3201
	ft/in	10'6"	10'8"	10'6"	10'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3048	2896	3035	2880
	ft/in	10'0"	9'6"	9'11"	9'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1324	1463	1327	1468
	ft/in	4'4"	4'9"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2745	2950	2757	2965
	ft/in	9'0"	9'8"	9'0"	9'8"
A† Digging Depth	mm	114	114	84	84
	in	4.5"	4.5"	3.3"	3.3"
12† Overall Length	mm	8798	9023	8813	9042
	ft/in	28'11"	29'8"	28'11"	29'8"
B† Overall Height with Bucket at Maximum Lift	mm	5813	5813	5929	5929
	ft/in	19'1"	19'1"	19'6"	19'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7512	7601	7508	7575
	ft/in	24'8"	25'0"	24'8"	24'11"
Static Tipping Load, Straight (With tire deflection)	kg	16 536	16 354	16 488	16 272
	lb	36,446	36,045	36,339	35,865
Static Tipping Load, Straight (No tire deflection)	kg	17 637	17 453	17 601	17 383
	lb	38,872	38,466	38,793	38,313
Static Tipping Load, Articulated (With tire deflection)	kg	14 505	14 322	14 456	14 241
	lb	31,969	31,567	31,862	31,388
Static Tipping Load, Articulated (No tire deflection)	kg	15 613	15 429	15 576	15 359
	lb	34,411	34,005	34,331	33,851
Breakout Force (§)	kN	180	179	190	188
	lbf	40,648	40,284	42,726	42,275
Operating Weight*	kg	23 503	23 641	23 551	23 713
	lb	51,801	52,105	51,906	52,263

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		General Purpose – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.60	4.60
	yd^3	5.50	5.50	6.00	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	5.10	5.10
	yd^3	6.00	6.00	6.75	6.75
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2970	2816	2957	2803
	ft/in	9'8"	9'2"	9'8"	9'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1395	1533	1398	1535
	ft/in	4'6"	5'0"	4'7"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2855	3059	2865	3070
	ft/in	9'4"	10'0"	9'4"	10'0"
A† Digging Depth	mm	106	106	113	113
	in	4.2"	4.2"	4.4"	4.4"
12† Overall Length	mm	8900	9126	8916	9142
	ft/in	29'3"	30'0"	29'4"	30'0"
B† Overall Height with Bucket at Maximum Lift	mm	5970	5970	6048	6048
	ft/in	19'8"	19'8"	19'11"	19'11"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7539	7629	7544	7634
	ft/in	24'9"	25'1"	24'9"	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	16 266	16 083	16 391	16 205
	lb	35,851	35,448	36,126	35,716
Static Tipping Load, Straight (No tire deflection)	kg	17 366	17 180	17 532	17 344
	lb	38,274	37,866	38,642	38,226
Static Tipping Load, Articulated (With tire deflection)	kg	14 255	14 072	14 351	14 165
	lb	31,419	31,015	31,630	31,219
Static Tipping Load, Articulated (No tire deflection)	kg	15 362	15 177	15 499	15 310
	lb	33,859	33,451	34,160	33,744
Breakout Force (§)	kN	166	164	164	163
	lbf	37,396	37,040	37,021	36,663
Operating Weight*	kg	23 567	23 705	23 681	23 819
	lb	51,940	52,244	52,192	52,496

*Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		Flat Floor – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2959	2797	2931	2768
	ft/in	9'8"	9'2"	9'7"	9'1"
17† Reach at Maximum Lift and 45° Discharge	mm	1242	1369	1271	1398
	ft/in	4'0"	4'5"	4'2"	4'7"
Reach at Level Lift Arm and Bucket Level	mm	2771	2975	2811	3015
	ft/in	9'1"	9'9"	9'2"	9'10"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8823	9048	8863	9088
	ft/in	29'0"	29'9"	29'1"	29'10"
B† Overall Height with Bucket at Maximum Lift	mm	5911	5911	5941	5941
	ft/in	19'5"	19'5"	19'6"	19'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7504	7589	7514	7599
	ft/in	24'8"	24'11"	24'8"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	16 818	16 635	16 738	16 554
	lb	37,067	36,664	36,891	36,486
Static Tipping Load, Straight (No tire deflection)	kg	17 924	17 739	17 850	17 663
	lb	39,504	39,096	39,341	38,931
Static Tipping Load, Articulated (With tire deflection)	kg	14 785	14 601	14 706	14 522
	lb	32,586	32,182	32,413	32,008
Static Tipping Load, Articulated (No tire deflection)	kg	15 898	15 713	15 825	15 639
	lb	35,039	34,631	34,880	34,469
Breakout Force (§)	kN	177	175	171	170
	lbf	39,850	39,488	38,633	38,273
Operating Weight*	kg	23 193	23 331	23 247	23 385
	lb	51,118	51,422	51,235	51,539

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		**Flat Floor – Pin-On**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Capacity – Rated at 110% Fill Factor	m^3	5.10	5.10	5.30	5.30
	yd^3	6.75	6.75	7.00	7.00
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2903	2740	2875	2712
	ft/in	9'6"	8'11"	9'5"	8'10"
17† Reach at Maximum Lift and 45° Discharge	mm	1299	1426	1327	1454
	ft/in	4'3"	4'8"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2851	3055	2891	3095
	ft/in	9'4"	10'0"	9'5"	10'1"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8903	9128	8943	9168
	ft/in	29'3"	30'0"	29'5"	30'1"
B† Overall Height with Bucket at Maximum Lift	mm	5992	5992	6033	6033
	ft/in	19'8"	19'8"	19'10"	19'10"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7524	7610	7534	7620
	ft/in	24'9"	25'0"	24'9"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	16 676	16 491	16 603	16 417
	lb	36,754	36,347	36,594	36,184
Static Tipping Load, Straight (No tire deflection)	kg	17 793	17 606	17 726	17 538
	lb	39,217	38,805	39,070	38,655
Static Tipping Load, Articulated (With tire deflection)	kg	14 646	14 461	14 575	14 389
	lb	32,280	31,873	32,124	31,714
Static Tipping Load, Articulated (No tire deflection)	kg	15 771	15 584	15 706	15 518
	lb	34,760	34,347	34,616	34,201
Breakout Force (§)	kN	166	165	162	160
	lbf	37,495	37,136	36,405	36,047
Operating Weight*	kg	23 282	23 419	23 328	23 466
	lb	51,312	51,616	51,413	51,717

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type			Flat Floor – Pin-On – Abrasion		Flat Floor – Pin-On – Light Material
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m^3	4.40	4.60	4.80	6.00
	yd^3	5.75	6.00	6.25	7.75
Capacity – Rated at 110% Fill Factor	m^3	4.80	5.10	5.30	6.60
	yd^3	6.25	6.75	7.00	8.75
Width	mm	3220	3220	3230	3405
	ft/in	10'6"	10'6"	10'7"	11'2"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2932	2903	2875	2753
	ft/in	9'7"	9'6"	9'5"	9'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1269	1299	1320	1428
	ft/in	4'1"	4'3"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2809	2851	2886	3048
	ft/in	9'2"	9'4"	9'5"	10'0"
A† Digging Depth	mm	114	114	119	89
	in	4.5"	4.5"	4.7"	3.5"
12† Overall Length	mm	8861	8903	8942	9112
	ft/in	29'1"	29'3"	29'5"	29'11"
B† Overall Height with Bucket at Maximum Lift	mm	5943	5984	6033	6505
	ft/in	19'6"	19'8"	19'10"	21'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7513	7524	7539	7675
	ft/in	24'8"	24'9"	24'9"	25'3"
Static Tipping Load, Straight (With tire deflection)	kg	16 620	16 569	16 465	15 994
	lb	36,631	36,519	36,290	35,251
Static Tipping Load, Straight (No tire deflection)	kg	17 732	17 673	17 587	17 134
	lb	39,082	38,952	38,761	37,763
Static Tipping Load, Articulated (With tire deflection)	kg	14 587	14 550	14 437	13 975
	lb	32,150	32,070	31,821	30,800
Static Tipping Load, Articulated (No tire deflection)	kg	15 707	15 662	15 566	15 122
	lb	34,618	34,520	34,308	33,329
Breakout Force (§)	kN	171	166	161	152
	lbf	38,560	37,473	36,323	34,227
Operating Weight*	kg	23 375	23 299	23 437	23 762
	lb	51,518	51,351	51,655	52,371

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		**Flat Floor – Hook-On – Fusion**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2909	2746	2882	2719
	ft/in	9'6"	9'0"	9'5"	8'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1293	1420	1320	1447
	ft/in	4'2"	4'7"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2842	3047	2881	3085
	ft/in	9'3"	9'11"	9'5"	10'1"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8894	9119	8933	9158
	ft/in	29'3"	30'0"	29'4"	30'1"
B† Overall Height with Bucket at Maximum Lift	mm	5953	5953	5983	5983
	ft/in	19'7"	19'7"	19'8"	19'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7538	7628	7549	7639
	ft/in	24'9"	25'1"	24'10"	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	16 152	15 970	16 077	15 894
	lb	35,600	35,198	35,434	35,031
Static Tipping Load, Straight (No tire deflection)	kg	17 244	17 060	17 175	16 989
	lb	38,007	37,600	37,854	37,445
Static Tipping Load, Articulated (With tire deflection)	kg	14 148	13 966	14 074	13 891
	lb	31,183	30,781	31,020	30,616
Static Tipping Load, Articulated (No tire deflection)	kg	15 248	15 064	15 180	14 995
	lb	33,608	33,201	33,457	33,048
Breakout Force (§)	kN	167	166	162	161
	lbf	37,690	37,331	36,614	36,256
Operating Weight*	kg	23 653	23 790	23 707	23 845
	lb	52,130	52,433	52,249	52,553

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		**Rock, Spade – Pin-On**		**Rock, Spade – Hook-On – Fusion**	**Iron Ore, Spade – Pin-On**
Edge Type		**Teeth and Segments**	**Teeth and Segments**	**Teeth and Segments**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	3.40	4.00	3.40	3.20
	yd^3	4.50	5.25	4.50	4.25
Capacity – Rated at 110% Fill Factor	m^3	3.70	4.40	3.70	3.50
	yd^3	4.75	5.75	4.75	4.50
Width	mm	3286	3255	3286	3288
	ft/in	10'9"	10'8"	10'9"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2990	2757	2970	3164
	ft/in	9'9"	9'0"	9'8"	10'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1538	1660	1577	1354
	ft/in	5'0"	5'5"	5'2"	4'5"
Reach at Level Lift Arm and Bucket Level	mm	2947	3211	2991	2696
	ft/in	9'8"	10'6"	9'9"	8'10"
A† Digging Depth	mm	83	83	75	78
	in	3.2"	3.2"	2.9"	3"
12† Overall Length	mm	9021	9269	9057	8744
	ft/in	29'8"	30'5"	29'9"	28'9"
B† Overall Height with Bucket at Maximum Lift	mm	5827	5827	5633	5953
	ft/in	19'2"	19'2"	18'6"	19'7"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7597	7647	7624	7529
	ft/in	25'0"	25'2"	25'1"	24'9"
Static Tipping Load, Straight (With tire deflection)	kg	17 612	17 090	17 257	17 357
	lb	38,817	37,666	38,036	38,256
Static Tipping Load, Straight (No tire deflection)	kg	18 789	18 250	18 441	18 539
	lb	41,412	40,224	40,645	40,861
Static Tipping Load, Articulated (With tire deflection)	kg	15 464	14 979	15 115	15 201
	lb	34,084	33,014	33,314	33,503
Static Tipping Load, Articulated (No tire deflection)	kg	16 650	16 148	16 306	16 391
	lb	36,696	35,591	35,940	36,125
Breakout Force (§)	kN	184	151	179	182
	lbf	41,538	34,117	40,256	41,055
Operating Weight*	kg	24 488	24 635	24 857	24 872
	lb	53,971	54,295	54,784	54,817

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

966 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage	
Bucket Type		**Side Dump – Pin-On**	**Side Dump – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	3.60	3.60
	yd^3	4.75	4.75
Capacity – Rated at 110% Fill Factor	m^3	4.00	4.00
	yd^3	5.25	5.25
Width	mm	3677	3677
	ft/in	12'0"	12'0"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2899	2852
	ft/in	9'6"	9'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1294	1370
	ft/in	4'2"	4'5"
Reach at Level Lift Arm and Bucket Level	mm	2850	2937
	ft/in	9'4"	9'7"
A† Digging Depth	mm	120	100
	in	4.7"	3.9"
12† Overall Length	mm	8908	8977
	ft/in	29'3"	29'6"
B† Overall Height with Bucket at Maximum Lift	mm	5786	5855
	ft/in	19'0"	19'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7722	7832
	ft/in	25'4"	25'9"
Static Tipping Load, Straight (With tire deflection)	kg	15 656	13 905
	lb	34,507	30,648
Static Tipping Load, Straight (No tire deflection)	kg	16 713	14 780
	lb	36,837	32,576
Static Tipping Load, Articulated (With tire deflection)	kg	13 708	12 118
	lb	30,212	26,708
Static Tipping Load, Articulated (No tire deflection)	kg	14 775	13 006
	lb	32,564	28,666
Breakout Force (§)	kN	165	155
	lbf	37,103	34,916
Operating Weight*	kg	23 635	24 172
	lb	52,091	53,274

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage			Standard Linkage					
Bucket Type			High Dump – Pin-On			High Dump – Hook-On – Fusion		
Edge Type			Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
	Capacity – Rated	m^3	7.60	9.20	11.10	7.60	9.20	11.10
		yd^3	10.00	12.00	14.50	10.00	12.00	14.50
	Capacity – Rated at 110% Fill Factor	m^3	8.40	10.10	12.20	8.40	10.10	12.20
		yd^3	11.00	13.25	16.00	11.00	13.25	16.00
	Width	mm	3350	3656	3656	3350	3656	3656
		ft/in	10'11"	11'11"	11'11"	10'11"	11'11"	11'11"
16†	Dump Clearance at Maximum Height and High Dump Fully Rolled Out (43˚)	mm	4898	4843	4669	4916	4953	4686
		ft/in	16'1"	15'9"	15'3"	16'1"	16'3"	15'4"
17†	Reach at Maximum Height and High Dump Fully Rolled Out (43˚)	mm	1665	1723	1907	1676	1778	1916
		ft/in	5'5"	5'7"	6'3"	5'5"	5'8"	6'3"
	Reach at Level Lift Arm and Bucket Level	mm	3525	3605	3825	3545	3625	3845
		ft/in	11'6"	11'9"	12'6"	11'7"	11'10"	12'7"
A†	Digging Depth	mm	84	84	84	84	84	84
		in	3.3"	3.3"	3.3"	3.3"	3.3"	3.3"
12†	Overall Length	mm	9577	9657	9877	9597	9677	9897
		ft/in	31'6"	31'9"	32'5"	31'6"	31'9"	32'6"
B†	Overall Height at Maximum Height and High Dump Fully Rolled Out (43˚)	mm	7263	7323	7512	7281	7341	7529
		ft/in	23'8"	24'0"	24'6"	23'9"	24'1"	24'7"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7795	7956	8023	7802	7963	8032
		ft/in	25'7"	26'2"	26'4"	25'8"	26'2"	26'5"
	Static Tipping Load, Straight (With tire deflection)	kg	14 725	14 455	14 112	14 279	14 008	13 670
		lb	32,454	31,859	31,103	31,471	30,874	30,128
	Static Tipping Load, Straight (No tire deflection)	kg	15 885	15 623	15 302	15 430	15 167	14 850
		lb	35,010	34,433	33,725	34,009	33,428	32,729
	Static Tipping Load, Articulated (With tire deflection)	kg	12 780	12 513	12 180	12 341	12 074	11 746
		lb	28,167	27,579	26,846	27,201	26,612	25,889
	Static Tipping Load, Articulated (No tire deflection)	kg	13 947	13 688	13 377	13 501	13 240	12 933
		lb	30,740	30,170	29,485	29,756	29,182	28,505
	Breakout Force (§)	kN	111	106	94	110	104	92
		lbf	25,125	23,825	21,126	24,821	23,539	20,884
	Operating Weight*	kg	24 300	24 516	24 723	24 779	24 995	25 202
		lb	53,557	54,033	54,489	54,612	55,089	55,545

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

966 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		**General Purpose – Pin-On**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	3.80	3.80	4.00	4.00
	yd^3	5.00	5.00	5.25	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Width	mm	3220	3301	3220	3301
	ft/in	10'6"	10'9"	10'6"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3635	3459	3626	3450
	ft/in	11'11"	11'4"	11'10"	11'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1265	1397	1272	1403
	ft/in	4'1"	4'7"	4'2"	4'7"
Reach at Level Lift Arm and Bucket Level	mm	3105	3320	3117	3330
	ft/in	10'2"	10'10"	10'2"	10'11"
A† Digging Depth	mm	89	89	89	89
	in	3.5"	3.5"	3.5"	3.5"
12† Overall Length	mm	9422	9669	9434	9679
	ft/in	30'11"	31'9"	31'0"	31'10"
B† Overall Height with Bucket at Maximum Lift	mm	6345	6345	6456	6456
	ft/in	20'10"	20'10"	21'3"	21'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7717	7837	7721	7840
	ft/in	25'4"	25'9"	25'4"	25'9"
Static Tipping Load, Straight (With tire deflection)	kg	17 143	16 859	17 126	16 899
	lb	37,784	37,159	37,747	37,247
Static Tipping Load, Straight (No tire deflection)	kg	18 183	17 883	18 175	17 944
	lb	40,077	39,415	40,059	39,550
Static Tipping Load, Articulated (With tire deflection)	kg	14 919	14 643	14 898	14 671
	lb	32,883	32,273	32,837	32,335
Static Tipping Load, Articulated (No tire deflection)	kg	15 984	15 691	15 971	15 740
	lb	35,229	34,584	35,202	34,692
Breakout Force (§)	kN	172	168	170	166
	lbf	38,838	37,910	38,411	37,495
Operating Weight*	kg	24 741	24 915	24 793	24 964
	lb	54,528	54,911	54,643	55,019

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.60	4.60
	yd^3	5.50	5.50	6.00	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	5.10	5.10
	yd^3	6.00	6.00	6.75	6.75
Width	mm	3220	3301	3264	3300
	ft/in	10'6"	10'9"	10'8"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3559	3390	3545	3387
	ft/in	11'8"	11'1"	11'7"	11'1"
17† Reach at Maximum Lift and 45° Discharge	mm	1325	1462	1337	1472
	ft/in	4'4"	4'9"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	3204	3419	3222	3428
	ft/in	10'6"	11'2"	10'6"	11'2"
A† Digging Depth	mm	89	89	89	89
	in	3.5"	3.5"	3.5"	3.5"
12† Overall Length	mm	9521	9760	9539	9766
	ft/in	31'3"	32'1"	31'4"	32'1"
B† Overall Height with Bucket at Maximum Lift	mm	6456	6456	6579	6579
	ft/in	21'3"	21'3"	21'8"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7747	7862	7772	7863
	ft/in	25'5"	25'10"	25'6"	25'10"
Static Tipping Load, Straight (With tire deflection)	kg	16 953	16 757	16 947	16 663
	lb	37,364	36,933	37,352	36,726
Static Tipping Load, Straight (No tire deflection)	kg	17 998	17 799	18 017	17 729
	lb	39,668	39,230	39,711	39,075
Static Tipping Load, Articulated (With tire deflection)	kg	14 737	14 541	14 719	14 435
	lb	32,480	32,048	32,442	31,816
Static Tipping Load, Articulated (No tire deflection)	kg	15 807	15 607	15 813	15 525
	lb	34,838	34,400	34,852	34,217
Breakout Force (§)	kN	159	156	156	152
	lbf	35,899	35,188	35,240	34,357
Operating Weight*	kg	24 849	24 994	24 932	25 104
	lb	54,766	55,085	54,949	55,328

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.80	3.80	4.00	4.00
	yd^3	5.00	5.00	5.25	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Width	mm	3220	3271	3201	3201
	ft/in	10'6"	10'8"	10'6"	10'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3606	3454	3594	3439
	ft/in	11'10"	11'4"	11'9"	11'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1299	1439	1302	1444
	ft/in	4'3"	4'8"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	3149	3354	3161	3369
	ft/in	10'4"	11'0"	10'4"	11'0"
A† Digging Depth	mm	89	89	59	59
	in	3.5"	3.5"	2.3"	2.3"
12† Overall Length	mm	9467	9688	9481	9706
	ft/in	31'1"	31'10"	31'2"	31'11"
B† Overall Height with Bucket at Maximum Lift	mm	6371	6371	6488	6488
	ft/in	20'11"	20'11"	21'4"	21'4"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7746	7845	7743	7820
	ft/in	25'5"	25'9"	25'5"	25'8"
Static Tipping Load, Straight (With tire deflection)	kg	16 588	16 413	16 552	16 346
	lb	36,561	36,176	36,481	36,026
Static Tipping Load, Straight (No tire deflection)	kg	17 609	17 432	17 586	17 377
	lb	38,812	38,422	38,761	38,300
Static Tipping Load, Articulated (With tire deflection)	kg	14 388	14 213	14 350	14 143
	lb	31,712	31,326	31,628	31,173
Static Tipping Load, Articulated (No tire deflection)	kg	15 434	15 257	15 409	15 200
	lb	34,017	33,627	33,962	33,500
Breakout Force (§)	kN	166	164	174	171
	lbf	37,426	36,887	39,256	38,619
Operating Weight*	kg	25 156	25 294	25 203	25 365
	lb	55,443	55,746	55,548	55,905

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.60	4.60
	yd^3	5.50	5.50	6.00	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	5.10	5.10
	yd^3	6.00	6.00	6.75	6.75
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3528	3374	3515	3361
	ft/in	11'6"	11'0"	11'6"	11'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1371	1508	1373	1511
	ft/in	4'5"	4'11"	4'6"	4'11"
Reach at Level Lift Arm and Bucket Level	mm	3259	3464	3269	3474
	ft/in	10'8"	11'4"	10'8"	11'4"
A† Digging Depth	mm	81	81	88	88
	in	3.2"	3.2"	3.4"	3.4"
12† Overall Length	mm	9571	9792	9586	9807
	ft/in	31'5"	32'2"	31'6"	32'3"
B† Overall Height with Bucket at Maximum Lift	mm	6528	6528	6606	6606
	ft/in	21'5"	21'5"	21'9"	21'9"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7778	7877	7784	7883
	ft/in	25'7"	25'11"	25'7"	25'11"
Static Tipping Load, Straight (With tire deflection)	kg	16 368	16 192	16 472	16 294
	lb	36,075	35,689	36,306	35,913
Static Tipping Load, Straight (No tire deflection)	kg	17 395	17 217	17 535	17 354
	lb	38,339	37,947	38,647	38,249
Static Tipping Load, Articulated (With tire deflection)	kg	14 184	14 008	14 260	14 081
	lb	31,261	30,874	31,429	31,036
Static Tipping Load, Articulated (No tire deflection)	kg	15 235	15 057	15 346	15 165
	lb	33,579	33,187	33,822	33,424
Breakout Force (§)	kN	153	151	151	149
	lbf	34,463	33,942	34,066	33,546
Operating Weight*	kg	25 219	25 357	25 333	25 471
	lb	55,582	55,886	55,834	56,138

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		Flat Floor – Pin-On			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3518	3355	3489	3327
	ft/in	11'6"	11'0"	11'5"	10'10"
17† Reach at Maximum Lift and 45° Discharge	mm	1218	1345	1246	1373
	ft/in	3'11"	4'4"	4'1"	4'6"
Reach at Level Lift Arm and Bucket Level	mm	3175	3380	3215	3420
	ft/in	10'5"	11'1"	10'6"	11'2"
A† Digging Depth	mm	89	89	89	89
	in	3.5"	3.5"	3.5"	3.5"
12† Overall Length	mm	9492	9714	9532	9754
	ft/in	31'2"	31'11"	31'4"	32'0"
B† Overall Height with Bucket at Maximum Lift	mm	6469	6469	6500	6500
	ft/in	21'3"	21'3"	21'4"	21'4"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7737	7831	7749	7843
	ft/in	25'5"	25'9"	25'6"	25'9"
Static Tipping Load, Straight (With tire deflection)	kg	16 878	16 703	16 810	16 634
	lb	37,200	36,813	37,050	36,662
Static Tipping Load, Straight (No tire deflection)	kg	17 906	17 728	17 845	17 666
	lb	39,465	39,074	39,331	38,937
Static Tipping Load, Articulated (With tire deflection)	kg	14 676	14 500	14 609	14 432
	lb	32,346	31,959	32,198	31,809
Static Tipping Load, Articulated (No tire deflection)	kg	15 729	15 551	15 668	15 489
	lb	34,666	34,275	34,533	34,139
Breakout Force (§)	kN	163	160	158	155
	lbf	36,686	36,151	35,557	35,028
Operating Weight*	kg	24 846	24 984	24 899	25 037
	lb	54,760	55,064	54,877	55,181

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		Flat Floor – Pin-On			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Capacity – Rated at 110% Fill Factor	m^3	5.10	5.10	5.30	5.30
	yd^3	6.75	6.75	7.00	7.00
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3461	3298	3433	3270
	ft/in	11'4"	10'9"	11'3"	10'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1274	1401	1303	1430
	ft/in	4'2"	4'7"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	3255	3460	3295	3500
	ft/in	10'8"	11'4"	10'9"	11'5"
A† Digging Depth	mm	89	89	89	89
	in	3.5"	3.5"	3.5"	3.5"
12† Overall Length	mm	9572	9794	9612	9834
	ft/in	31'5"	32'2"	31'7"	32'4"
B† Overall Height with Bucket at Maximum Lift	mm	6550	6550	6591	6591
	ft/in	21'6"	21'6"	21'8"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7761	7856	7773	7868
	ft/in	25'6"	25'10"	25'6"	25'10"
Static Tipping Load, Straight (With tire deflection)	kg	16 760	16 583	16 699	16 521
	lb	36,940	36,550	36,806	36,414
Static Tipping Load, Straight (No tire deflection)	kg	17 802	17 623	17 748	17 568
	lb	39,236	38,841	39,118	38,720
Static Tipping Load, Articulated (With tire deflection)	kg	14 559	14 382	14 499	14 321
	lb	32,089	31,698	31,956	31,564
Static Tipping Load, Articulated (No tire deflection)	kg	15 626	15 446	15 572	15 392
	lb	34,439	34,044	34,322	33,924
Breakout Force (§)	kN	153	151	149	146
	lbf	34,502	33,979	33,489	32,973
Operating Weight*	kg	24 934	25 072	24 980	25 118
	lb	54,954	55,258	55,055	55,359

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

966 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		Flat Floor – Pin-On – Abrasion			Flat Floor – Pin-On – Light Material
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m^3	4.40	4.60	4.80	6.00
	yd^3	5.75	6.00	6.25	7.75
Capacity – Rated at 110% Fill Factor	m^3	4.80	5.10	5.30	6.60
	yd^3	6.25	6.75	7.00	8.75
Width	mm	3220	3220	3230	3405
	ft/in	10'6"	10'6"	10'7"	11'2"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3491	3461	3433	3311
	ft/in	11'5"	11'4"	11'3"	10'10"
17† Reach at Maximum Lift and 45° Discharge	mm	1245	1274	1296	1403
	ft/in	4'1"	4'2"	4'3"	4'7"
Reach at Level Lift Arm and Bucket Level	mm	3213	3255	3290	3452
	ft/in	10'6"	10'8"	10'9"	11'3"
A† Digging Depth	mm	89	89	94	64
	in	3.5"	3.5"	3.7"	2.5"
12† Overall Length	mm	9530	9572	9610	9779
	ft/in	31'4"	31'5"	31'7"	32'1"
B† Overall Height with Bucket at Maximum Lift	mm	6501	6550	6591	7063
	ft/in	21'4"	21'6"	21'8"	23'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7748	7761	7778	7919
	ft/in	25'6"	25'6"	25'7"	26'0"
Static Tipping Load, Straight (With tire deflection)	kg	16 691	16 612	16 566	16 147
	lb	36,787	36,613	36,512	35,590
Static Tipping Load, Straight (No tire deflection)	kg	17 725	17 652	17 612	17 217
	lb	39,066	38,905	38,818	37,948
Static Tipping Load, Articulated (With tire deflection)	kg	14 488	14 411	14 366	13 951
	lb	31,931	31,762	31,662	30,748
Static Tipping Load, Articulated (No tire deflection)	kg	15 547	15 475	15 437	15 045
	lb	34,266	34,108	34,023	33,159
Breakout Force (§)	kN	157	152	148	139
	lbf	35,479	34,361	33,366	31,322
Operating Weight*	kg	25 028	25 080	25 090	25 415
	lb	55,160	55,275	55,297	56,013

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		Flat Floor – Hook-On – Fusion			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3467	3304	3440	3277
	ft/in	11'4"	10'10"	11'3"	10'9"
17† Reach at Maximum Lift and 45° Discharge	mm	1268	1395	1296	1423
	ft/in	4'1"	4'6"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	3246	3451	3285	3490
	ft/in	10'7"	11'3"	10'9"	11'5"
A† Digging Depth	mm	89	89	89	89
	in	3.5"	3.5"	3.5"	3.5"
12† Overall Length	mm	9563	9785	9602	9824
	ft/in	31'5"	32'2"	31'7"	32'3"
B† Overall Height with Bucket at Maximum Lift	mm	6511	6511	6541	6541
	ft/in	21'5"	21'5"	21'6"	21'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7777	7876	7789	7889
	ft/in	25'7"	25'11"	25'7"	25'11"
Static Tipping Load, Straight (With tire deflection)	kg	16 256	16 081	16 191	16 016
	lb	35,829	35,443	35,687	35,299
Static Tipping Load, Straight (No tire deflection)	kg	17 276	17 099	17 218	17 040
	lb	38,078	37,687	37,950	37,557
Static Tipping Load, Articulated (With tire deflection)	kg	14 079	13 904	14 014	13 838
	lb	31,030	30,644	30,888	30,500
Static Tipping Load, Articulated (No tire deflection)	kg	15 124	14 947	15 066	14 888
	lb	33,334	32,943	33,206	32,813
Breakout Force (§)	kN	154	152	149	147
	lbf	34,679	34,155	33,680	33,162
Operating Weight*	kg	25 305	25 443	25 359	25 497
	lb	55,771	56,075	55,891	56,195

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

966 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage			High Lift Linkage			
Bucket Type			Rock, Spade – Pin-On		Rock, Spade – Hook-On – Fusion	Iron Ore, Spade – Pin-On
Edge Type			Teeth and Segments	Teeth and Segments	Teeth and Segments	Bolt-On Cutting Edges
	Capacity – Rated	m^3	3.40	4.00	3.40	3.20
		yd^3	4.50	5.25	4.50	4.25
	Capacity – Rated at 110% Fill Factor	m^3	3.70	4.40	3.70	3.50
		yd^3	4.75	5.75	4.75	4.50
	Width	mm	3252	3255	3286	3288
		ft/in	10'8"	10'8"	10'9"	10'9"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	3565	3316	3529	3722
		ft/in	11'8"	10'10"	11'6"	12'2"
17†	Reach at Maximum Lift and 45° Discharge	mm	1522	1636	1553	1329
		ft/in	4'11"	5'4"	5'1"	4'4"
	Reach at Level Lift Arm and Bucket Level	mm	3348	3615	3395	3100
		ft/in	10'11"	11'10"	11'1"	10'2"
A†	Digging Depth	mm	62	58	50	53
		in	2.4"	2.3"	1.9"	2.1"
12†	Overall Length	mm	9674	9942	9729	9419
		ft/in	31'9"	32'8"	31'11"	30'11"
B†	Overall Height with Bucket at Maximum Lift	mm	6385	6385	6191	6511
		ft/in	21'0"	21'0"	20'4"	21'5"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7816	7902	7872	7760
		ft/in	25'8"	26'0"	25'10"	25'6"
	Static Tipping Load, Straight (With tire deflection)	kg	17 472	17 068	17 165	17 233
		lb	38,509	37,618	37,831	37,981
	Static Tipping Load, Straight (No tire deflection)	kg	18 541	18 138	18 245	18 307
		lb	40,865	39,976	40,212	40,348
	Static Tipping Load, Articulated (With tire deflection)	kg	15 183	14 799	14 868	14 926
		lb	33,465	32,619	32,771	32,897
	Static Tipping Load, Articulated (No tire deflection)	kg	16 279	15 896	15 976	16 027
		lb	35,880	35,036	35,211	35,323
	Breakout Force (§)	kN	171	140	165	169
		lbf	38,561	31,506	37,141	38,047
	Operating Weight*	kg	26 122	26 287	26 509	26 524
		lb	57,573	57,937	58,426	58,459

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage	
Bucket Type		**Side Dump – Pin-On**	**Side Dump – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	3.60	3.60
	yd^3	4.75	4.75
Capacity – Rated at 110% Fill Factor	m^3	4.00	4.00
	yd^3	5.25	5.25
Width	mm	3677	3677
	ft/in	12'0"	12'0"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3457	3410
	ft/in	11'4"	11'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1270	1345
	ft/in	4'2"	4'4"
Reach at Level Lift Arm and Bucket Level	mm	3255	3341
	ft/in	10'8"	10'11"
A† Digging Depth	mm	95	75
	in	3.7"	2.9"
12† Overall Length	mm	9576	9649
	ft/in	31'5"	31'8"
B† Overall Height with Bucket at Maximum Lift	mm	6344	6413
	ft/in	20'10"	21'1"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7268	8075
	ft/in	23'11"	26'6"
Static Tipping Load, Straight (With tire deflection)	kg	15 851	14 208
	lb	34,937	31,315
Static Tipping Load, Straight (No tire deflection)	kg	16 854	15 056
	lb	37,146	33,184
Static Tipping Load, Articulated (With tire deflection)	kg	13 723	12 235
	lb	30,246	26,966
Static Tipping Load, Articulated (No tire deflection)	kg	14 751	13 109
	lb	32,511	28,894
Breakout Force (§)	kN	151	161
	lbf	34,069	36,329
Operating Weight*	kg	25 287	25 824
	lb	55,733	56,916

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

966 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage			High Lift Linkage					
Bucket Type			High Dump – Pin-On			High Dump – Hook-On – Fusion		
Edge Type			Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
	Capacity – Rated	m^3	7.60	9.20	11.10	7.60	9.20	11.10
		yd^3	10.00	12.00	14.50	10.00	12.00	14.50
	Capacity – Rated at 110% Fill Factor	m^3	8.40	10.10	12.20	8.40	10.10	12.20
		yd^3	11.00	13.25	16.00	11.00	13.25	16.00
	Width	mm	3350	3656	3656	3350	3656	3656
		ft/in	10'11"	11'11"	11'11"	10'11"	11'11"	11'11"
16†	Dump Clearance at Maximum Height and High Dump Fully Rolled Out (34˚)	mm	5662	5618	5478	5682	5736	5496
		ft/in	18'6"	18'4"	17'10"	18'6"	18'8"	18'0"
17†	Reach at Maximum Height and High Dump Fully Rolled Out (34˚)	mm	1511	1577	1789	1519	1613	1795
		ft/in	4'10"	5'2"	5'9"	4'10"	5'3"	5'9"
	Reach at Level Lift Arm and Bucket Level	mm	3929	4009	4229	3949	4029	4249
		ft/in	12'10"	13'1"	13'10"	12'11"	13'2"	13'11"
A†	Digging Depth	mm	59	59	59	59	59	59
		in	2.3"	2.3"	2.3"	2.3"	2.3"	2.3"
12†	Overall Length	mm	10 246	10 326	10 546	10 266	10 346	10 566
		ft/in	33'8"	33'11"	34'8"	33'9"	34'0"	34'8"
B†	Overall Height at Maximum Height and High Dump Fully Rolled Out (34˚)	mm	7948	8008	8197	7967	8027	8216
		ft/in	26'1"	26'3"	26'9"	26'1"	26'3"	26'10"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	8062	8223	8300	8071	8232	8310
		ft/in	26'6"	27'0"	27'3"	26'6"	27'1"	27'4"
	Static Tipping Load, Straight (With tire deflection)	kg	15 081	14 833	14 546	14 628	14 379	14 095
		lb	33,239	32,693	32,061	32,240	31,691	31,067
	Static Tipping Load, Straight (No tire deflection)	kg	16 200	15 961	15 704	15 735	15 495	15 239
		lb	35,705	35,180	34,612	34,681	34,151	33,588
	Static Tipping Load, Articulated (With tire deflection)	kg	12 939	12 692	12 410	12 492	12 245	11 966
		lb	28,518	27,974	27,352	27,534	26,988	26,373
	Static Tipping Load, Articulated (No tire deflection)	kg	14 080	13 843	13 589	13 623	13 383	13 131
		lb	31,034	30,510	29,950	30,025	29,497	28,941
	Breakout Force (§)	kN	102	96	85	100	95	84
		lbf	22,962	21,744	19,238	22,679	21,477	19,012
	Operating Weight*	kg	25 953	26 169	26 376	26 431	26 647	26 854
		lb	57,199	57,675	58,131	58,254	58,730	59,187

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 26.5R25 VSDL L5 radial tires.

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		**General Purpose – Pin-On**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	3.80	3.80	4.00	4.00
	yd^3	5.00	5.00	5.25	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Width	mm	3220	3301	3220	3301
	ft/in	10'6"	10'9"	10'6"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3077	2901	3068	2892
	ft/in	10'1"	9'6"	10'0"	9'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1289	1422	1296	1427
	ft/in	4'2"	4'7"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2701	2916	2712	2926
	ft/in	8'10"	9'6"	8'10"	9'7"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8919	9173	8931	9184
	ft/in	29'4"	30'2"	29'4"	30'2"
B† Overall Height with Bucket at Maximum Lift	mm	5787	5787	5898	5898
	ft/in	19'0"	19'0"	19'5"	19'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7488	7597	7491	7600
	ft/in	24'7"	25'0"	24'7"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	18 678	18 379	18 662	18 426
	lb	41,167	40,509	41,133	40,612
Static Tipping Load, Straight (No tire deflection)	kg	19 935	19 616	19 930	19 690
	lb	43,938	43,235	43,927	43,398
Static Tipping Load, Articulated (With tire deflection)	kg	16 378	16 086	16 358	16 121
	lb	36,097	35,455	36,054	35,531
Static Tipping Load, Articulated (No tire deflection)	kg	17 647	17 337	17 638	17 397
	lb	38,895	38,210	38,875	38,344
Breakout Force (§)	kN	187	185	185	183
	lbf	42,167	41,580	41,712	41,134
Operating Weight*	kg	23 739	23 913	23 791	23 962
	lb	52,321	52,704	52,435	52,812

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		**General Purpose – Pin-On**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.20	4.20	4.60	4.60
	yd^3	5.50	5.50	6.00	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	5.10	5.10
	yd^3	6.00	6.00	6.75	6.75
Width	mm	3220	3301	3264	3301
	ft/in	10'6"	10'9"	10'8"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3001	2832	2987	2829
	ft/in	9'10"	9'3"	9'9"	9'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1350	1487	1361	1497
	ft/in	4'5"	4'10"	4'5"	4'10"
Reach at Level Lift Arm and Bucket Level	mm	2800	3015	2818	3024
	ft/in	9'2"	9'10"	9'2"	9'11"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	9018	9262	9037	9267
	ft/in	29'8"	30'5"	29'8"	30'5"
B† Overall Height with Bucket at Maximum Lift	mm	5898	5898	6021	6021
	ft/in	19'5"	19'5"	19'10"	19'10"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7512	7618	7537	7618
	ft/in	24'8"	25'0"	24'9"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	18 449	18 244	18 444	18 136
	lb	40,661	40,211	40,651	39,972
Static Tipping Load, Straight (No tire deflection)	kg	19 708	19 500	19 733	19 419
	lb	43,436	42,979	43,491	42,801
Static Tipping Load, Articulated (With tire deflection)	kg	16 160	15 955	16 143	15 836
	lb	35,617	35,165	35,579	34,903
Static Tipping Load, Articulated (No tire deflection)	kg	17 432	17 224	17 444	17 131
	lb	38,420	37,961	38,447	37,758
Breakout Force (§)	kN	173	171	170	167
	lbf	38,999	38,523	38,302	37,614
Operating Weight*	kg	23 847	23 992	23 930	24 102
	lb	52,559	52,878	52,741	53,120

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		General Purpose – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	3.80	3.80	4.00	4.00
	yd^3	5.00	5.00	5.25	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Width	mm	3220	3271	3201	3201
	ft/in	10'6"	10'8"	10'6"	10'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3048	2896	3035	2880
	ft/in	10'0"	9'6"	9'11"	9'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1324	1463	1327	1468
	ft/in	4'4"	4'9"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2745	2950	2757	2965
	ft/in	9'0"	9'8"	9'0"	9'8"
A† Digging Depth	mm	114	114	84	84
	in	4.5"	4.5"	3.3"	3.3"
12† Overall Length	mm	8964	9189	8979	9208
	ft/in	29'5"	30'2"	29'6"	30'3"
B† Overall Height with Bucket at Maximum Lift	mm	5813	5813	5929	5929
	ft/in	19'1"	19'1"	19'6"	19'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7512	7601	7508	7575
	ft/in	24'8"	25'0"	24'8"	24'11"
Static Tipping Load, Straight (With tire deflection)	kg	18 079	17 897	18 029	17 814
	lb	39,846	39,445	39,736	39,262
Static Tipping Load, Straight (No tire deflection)	kg	19 309	19 125	19 274	19 056
	lb	42,559	42,153	42,480	41,999
Static Tipping Load, Articulated (With tire deflection)	kg	15 807	15 625	15 757	15 542
	lb	34,840	34,438	34,730	34,256
Static Tipping Load, Articulated (No tire deflection)	kg	17 052	16 867	17 015	16 798
	lb	37,582	37,176	37,503	37,023
Breakout Force (§)	kN	180	179	190	188
	lbf	40,648	40,284	42,726	42,275
Operating Weight*	kg	24 154	24 292	24 202	24 364
	lb	53,235	53,539	53,341	53,698

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		General Purpose – Hook-On – Fusion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.60	4.60
	yd^3	5.50	5.50	6.00	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	5.10	5.10
	yd^3	6.00	6.00	6.75	6.75
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2970	2816	2957	2803
	ft/in	9'8"	9'2"	9'8"	9'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1395	1533	1398	1535
	ft/in	4'6"	5'0"	4'7"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2855	3059	2865	3070
	ft/in	9'4"	10'0"	9'4"	10'0"
A† Digging Depth	mm	106	106	113	113
	in	4.2"	4.2"	4.4"	4.4"
12† Overall Length	mm	9067	9292	9083	9308
	ft/in	29'9"	30'6"	29'10"	30'7"
B† Overall Height with Bucket at Maximum Lift	mm	5970	5970	6048	6048
	ft/in	19'8"	19'8"	19'11"	19'11"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7539	7629	7544	7634
	ft/in	24'9"	25'1"	24'9"	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	17 792	17 609	17 935	17 749
	lb	39,214	38,811	39,530	39,120
Static Tipping Load, Straight (No tire deflection)	kg	19 021	18 836	19 213	19 024
	lb	41,923	41,515	42,346	41,930
Static Tipping Load, Articulated (With tire deflection)	kg	15 543	15 360	15 655	15 468
	lb	34,257	33,854	34,503	34,093
Static Tipping Load, Articulated (No tire deflection)	kg	16 786	16 601	16 944	16 756
	lb	36,998	36,590	37,346	36,930
Breakout Force (§)	kN	166	164	164	163
	lbf	37,396	37,040	37,021	36,663
Operating Weight*	kg	24 218	24 355	24 332	24 470
	lb	53,375	53,679	53,627	53,930

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		Flat Floor – Pin-On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Width	mm	3220	3271.4	3220	3271.4
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2959	2797	2931	2768
	ft/in	9'8"	9'2"	9'7"	9'1"
17† Reach at Maximum Lift and 45° Discharge	mm	1242	1369	1271	1398
	ft/in	4'0"	4'5"	4'2"	4'7"
Reach at Level Lift Arm and Bucket Level	mm	2771	2975	2811	3015
	ft/in	9'1"	9'9"	9'2"	9'10"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	8989	9215	9029	9255
	ft/in	29'6"	30'3"	29'8"	30'5"
B† Overall Height with Bucket at Maximum Lift	mm	5911	5911	5941	5941
	ft/in	19'5"	19'5"	19'6"	19'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7504	7589	7514	7599
	ft/in	24'8"	24'11"	24'8"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	18 362	18 179	18 280	18 096
	lb	40,470	40,067	40,289	39,884
Static Tipping Load, Straight (No tire deflection)	kg	19 598	19 413	19 522	19 336
	lb	43,194	42,786	43,028	42,618
Static Tipping Load, Articulated (With tire deflection)	kg	16 088	15 905	16 008	15 824
	lb	35,460	35,056	35,282	34,877
Static Tipping Load, Articulated (No tire deflection)	kg	17 338	17 153	17 264	17 078
	lb	38,213	37,805	38,051	37,641
Breakout Force (§)	kN	177	175	171	170
	lbf	39,850	39,488	38,633	38,273
Operating Weight*	kg	23 844	23 982	23 898	24 036
	lb	52,552	52,856	52,670	52,974

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		Flat Floor – Pin-On			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Capacity – Rated at 110% Fill Factor	m^3	5.10	5.10	5.30	5.30
	yd^3	6.75	6.75	7.00	7.00
Width	mm	3220	3271.4	3220	3271.4
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2903	2740	2875	2712
	ft/in	9'6"	8'11"	9'5"	8'10"
17† Reach at Maximum Lift and 45° Discharge	mm	1299	1426	1327	1454
	ft/in	4'3"	4'8"	4'4"	4'9"
Reach at Level Lift Arm and Bucket Level	mm	2851	3055	2891	3095
	ft/in	9'4"	10'0"	9'5"	10'1"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	9069	9295	9109	9335
	ft/in	29'10"	30'6"	29'11"	30'8"
B† Overall Height with Bucket at Maximum Lift	mm	5992	5992	6033	6033
	ft/in	19'8"	19'8"	19'10"	19'10"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7524	7610	7534	7620
	ft/in	24'9"	25'0"	24'9"	25'0"
Static Tipping Load, Straight (With tire deflection)	kg	18 215	18 030	18 140	17 954
	lb	40,147	39,740	39,981	39,572
Static Tipping Load, Straight (No tire deflection)	kg	19 465	19 278	19 396	19 208
	lb	42,901	42,488	42,750	42,335
Static Tipping Load, Articulated (With tire deflection)	kg	15 946	15 761	15 873	15 687
	lb	35,145	34,737	34,984	34,574
Static Tipping Load, Articulated (No tire deflection)	kg	17 209	17 021	17 142	16 954
	lb	37,928	37,516	37,782	37,367
Breakout Force (§)	kN	166	165	162	160
	lbf	37,495	37,136	36,405	36,047
Operating Weight*	kg	23 932	24 070	23 979	24 116
	lb	52,746	53,050	52,848	53,152

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type			Flat Floor – Pin-On – Abrasion		Flat Floor – Pin-On – Light Material
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m^3	4.40	4.60	4.80	6.00
	yd^3	5.75	6.00	6.25	7.75
Capacity – Rated at 110% Fill Factor	m^3	4.80	5.10	5.30	6.60
	yd^3	6.25	6.75	7.00	8.75
Width	mm	3220	3220	3230	3405
	ft/in	10'6"	10'6"	10'7"	11'2"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2932	2903	2875	2753
	ft/in	9'7"	9'6"	9'5"	9'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1269	1299	1320	1428
	ft/in	4'1"	4'3"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2809	2851	2886	3048
	ft/in	9'2"	9'4"	9'5"	10'0"
A† Digging Depth	mm	114	114	119	89
	in	4.5"	4.5"	4.7"	3.5"
12† Overall Length	mm	9028	9069	9108	9278
	ft/in	29'8"	29'10"	29'11"	30'6"
B† Overall Height with Bucket at Maximum Lift	mm	5943	5992	6033	6505
	ft/in	19'6"	19'8"	19'10"	21'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7513	7524	7539	7675
	ft/in	24'8"	24'9"	24'9"	25'3"
Static Tipping Load, Straight (With tire deflection)	kg	18 163	18 067	18 002	17 521
	lb	40,031	39,819	39,678	38,616
Static Tipping Load, Straight (No tire deflection)	kg	19 406	19 315	19 256	18 796
	lb	42,772	42,571	42,441	41,428
Static Tipping Load, Articulated (With tire deflection)	kg	15 890	15 797	15 735	15 263
	lb	35,021	34,817	34,680	33,639
Static Tipping Load, Articulated (No tire deflection)	kg	17 147	17 059	17 002	16 552
	lb	37,792	37,598	37,474	36,481
Breakout Force (§)	kN	171	166	161	152
	lbf	38,560	37,355	36,323	34,227
Operating Weight*	kg	24 026	24 078	24 088	24 413
	lb	52,953	53,067	53,089	53,806

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		**Flat Floor – Hook-On – Fusion**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	4.20	4.20	4.40	4.40
	yd^3	5.50	5.50	5.75	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.80	4.80
	yd^3	6.00	6.00	6.25	6.25
Width	mm	3220	3271.4	3220	3271.4
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2909	2746	2882	2719
	ft/in	9'6"	9'0"	9'5"	8'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1293	1420	1320	1447
	ft/in	4'2"	4'7"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2842	3047	2881	3085
	ft/in	9'3"	9'11"	9'5"	10'1"
A† Digging Depth	mm	114	114	114	114
	in	4.5"	4.5"	4.5"	4.5"
12† Overall Length	mm	9061	9286	9099	9325
	ft/in	29'9"	30'6"	29'11"	30'8"
B† Overall Height with Bucket at Maximum Lift	mm	5953	5953	5983	5983
	ft/in	19'7"	19'7"	19'8"	19'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7538	7628	7549	7639
	ft/in	24'9"	25'1"	24'10"	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	17 673	17 490	17 596	17 412
	lb	38,951	38,549	38,781	38,377
Static Tipping Load, Straight (No tire deflection)	kg	18 893	18 709	18 823	18 638
	lb	41,642	41,235	41,486	41,078
Static Tipping Load, Articulated (With tire deflection)	kg	15 432	15 249	15 356	15 173
	lb	34,012	33,610	33,846	33,441
Static Tipping Load, Articulated (No tire deflection)	kg	16 667	16 483	16 598	16 412
	lb	36,735	36,328	36,582	36,174
Breakout Force (§)	kN	167	166	162	161
	lbf	37,690	37,331	36,614	36,256
Operating Weight*	kg	24 303	24 441	24 358	24 496
	lb	53,564	53,868	53,684	53,988

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage	
Bucket Type		**Side Dump – Pin-On**	**Side Dump – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	3.63	3.63
	yd^3	4.75	4.75
Capacity – Rated at 110% Fill Factor	m^3	4.00	4.00
	yd^3	5.25	5.25
Width	mm	3677	3677
	ft/in	12'0"	12'0"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2899	2852
	ft/in	9'6"	9'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1294	1370
	ft/in	4'2"	4'5"
Reach at Level Lift Arm and Bucket Level	mm	2850	2937
	ft/in	9'4"	9'7"
A† Digging Depth	mm	120	100
	in	4.7"	3.9"
12† Overall Length	mm	9074	9144
	ft/in	29'10"	30'0"
B† Overall Height with Bucket at Maximum Lift	mm	5786	5855
	ft/in	19'0"	19'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7722	7832
	ft/in	25'4"	25'9"
Static Tipping Load, Straight (With tire deflection)	kg	17 133	15 268
	lb	37,763	33,651
Static Tipping Load, Straight (No tire deflection)	kg	18 315	16 247
	lb	40,368	35,808
Static Tipping Load, Articulated (With tire deflection)	kg	14 955	13 269
	lb	32,960	29,245
Static Tipping Load, Articulated (No tire deflection)	kg	16 153	14 267
	lb	35,602	31,446
Breakout Force (§)	kN	165	155
	lbf	37,103	34,916
Operating Weight*	kg	24 286	24 823
	lb	53,525	54,709

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

966 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage			Aggregate Handler Linkage			
Bucket Type			High Dump – Pin-On		High Dump – Hook-On – Fusion	
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m^3	7.60	9.20	11.10	7.60	9.20
	yd^3	10.00	12.00	14.50	10.00	12.00
Capacity – Rated at 110% Fill Factor	m^3	8.40	10.10	12.20	8.40	10.10
	yd^3	11.00	13.25	16.00	11.00	13.25
Width	mm	3350	3656	3656	3350	3656
	ft/in	10'11"	11'11"	11'11"	10'11"	11'11"
16† Dump Clearance at Maximum Height and High Dump Fully Rolled Out (43˚)	mm	4898	4843	4669	4916	4953
	ft/in	16'1"	15'9"	15'3"	16'1"	16'3"
17† Reach at Maximum Height and High Dump Fully Rolled Out (43˚)	mm	1723	1723	1907	1676	1778
	ft/in	5'7"	5'7"	6'3"	5'5"	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3525	3605	3825	3545	3625
	ft/in	11'6"	11'9"	12'6"	11'7"	11'10"
A† Digging Depth	mm	84	84	84	84	84
	in	3.3"	3.3"	3.3"	3.3"	3.3"
12† Overall Length	mm	9743	9823	10043	9763	9843
	ft/in	32'0"	32'3"	33'0"	32'1"	32'4"
B† Overall Height at Maximum Height and High Dump Fully Rolled Out (43˚)	mm	7263	7323	7512	7281	7341
	ft/in	23'8"	24'0"	24'6"	23'9"	24'1"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7795	7956	8023	7802	7963
	ft/in	25'7"	26'2"	26'4"	25'8"	26'2"
Static Tipping Load, Straight (With tire deflection)	kg	16 185	15 911	15 556	15 734	15 458
	lb	35,673	35,069	34,286	34,677	34,071
Static Tipping Load, Straight (No tire deflection)	kg	17 486	17 221	16 892	17 025	16 758
	lb	38,539	37,956	37,230	37,524	36,936
Static Tipping Load, Articulated (With tire deflection)	kg	14 009	13 739	13 395	13 566	13 295
	lb	30,877	30,281	29,523	29,901	29,303
Static Tipping Load, Articulated (No tire deflection)	kg	15 325	15 063	14 745	14 872	14 610
	lb	33,776	33,200	32,499	32,779	32,200
Breakout Force (§)	kN	111	106	94	110	104
	lbf	25,125	23,825	21,126	24,821	23,539
Operating Weight*	kg	24 951	25 167	25 374	25 430	25 646
	lb	54,992	55,468	55,924	56,047	56,523

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

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

Fork Specifications

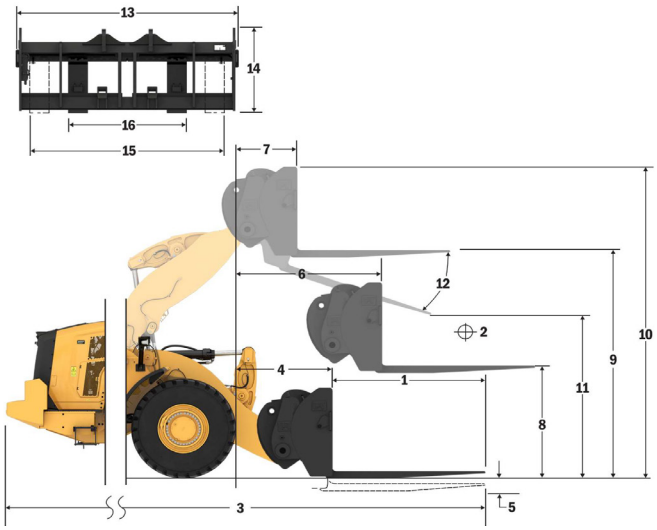
Fork Specifications

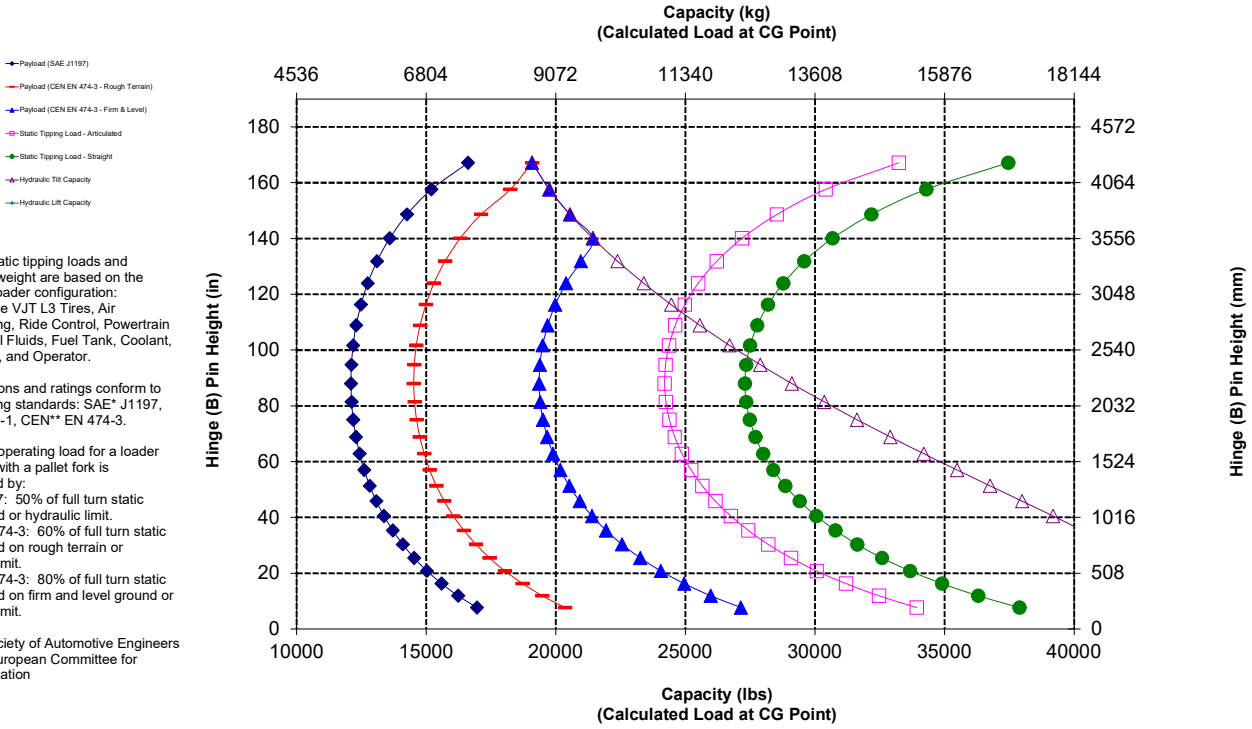
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12382 27289
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10976 24192
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5488 12096
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6586 14515
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8656 19078
3	Maximum Overall Length	mm in	9359 368.5
4	Reach with Forks at Ground Level	mm in	1126 44.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-166 -6.5
6	Reach with Arms Horizontal and Forks Level	mm in	1694 66.7
7	Reach with Fork at Maximum Height	mm in	826 32.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3949 155.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4724 186.0
11	Clearance at Full Lift and Max Dump	mm in	2652 104.4
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	6300 13885
	Operating Weight	kg lbs	22225 48983

*Negative values indicate below grade

966 STD

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





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

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

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

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

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

Fork Specifications

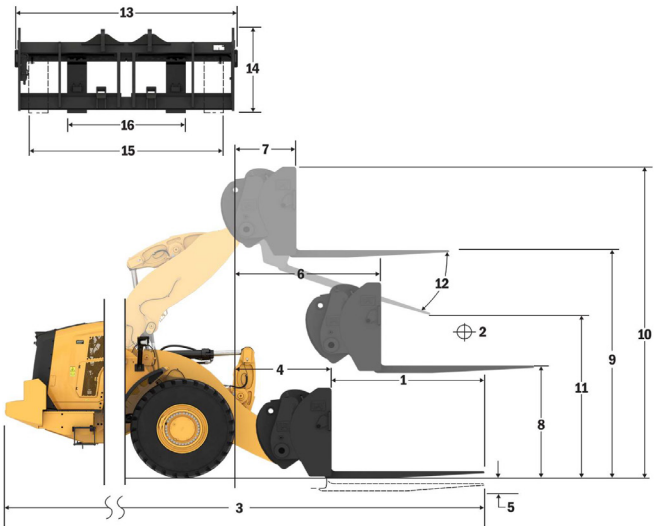
Fork Specifications

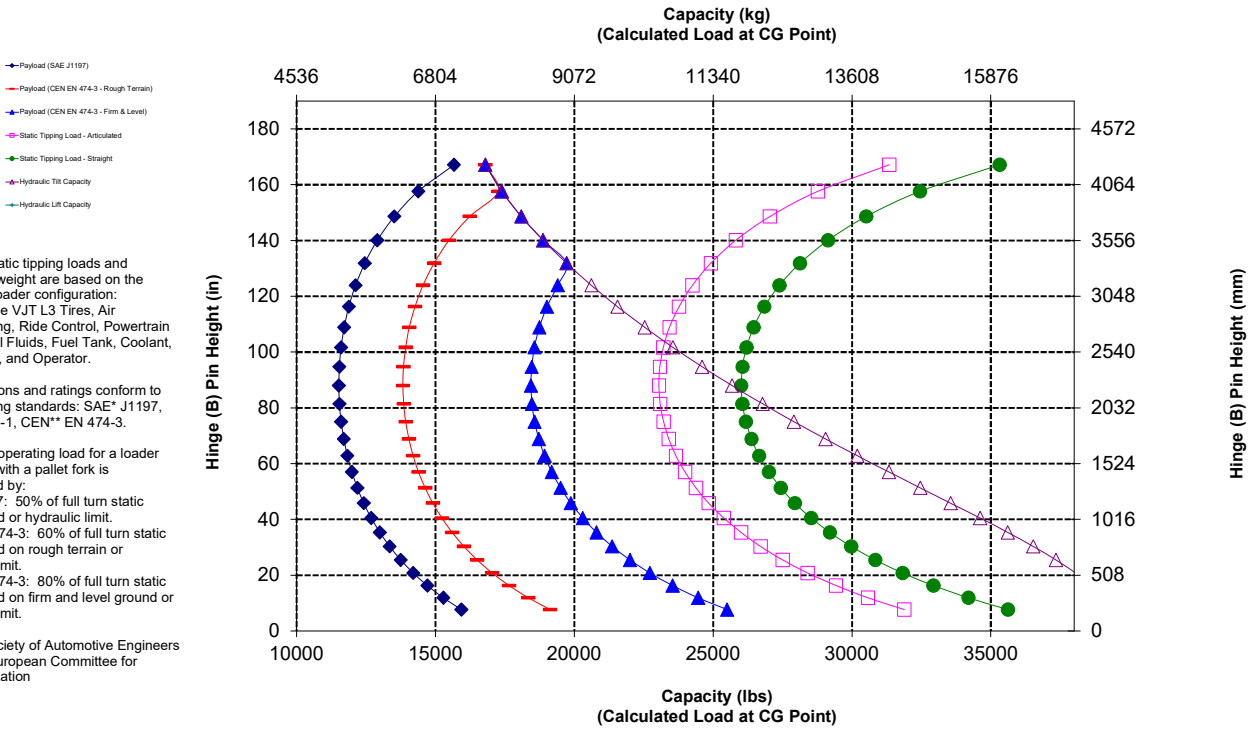
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11799 26004
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10454 23042
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5227 11521
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6273 13825
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7618 16790
3	Maximum Overall Length	mm in	9665 380.5
4	Reach with Forks at Ground Level	mm in	1126 44.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-166 -6.5
6	Reach with Arms Horizontal and Forks Level	mm in	1694 66.7
7	Reach with Fork at Maximum Height	mm in	826 32.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3949 155.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4724 186.0
11	Clearance at Full Lift and Max Dump	mm in	2444 96.2
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	22272 49087

*Negative values indicate below grade

966 STD

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





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

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

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

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

Fork Specifications

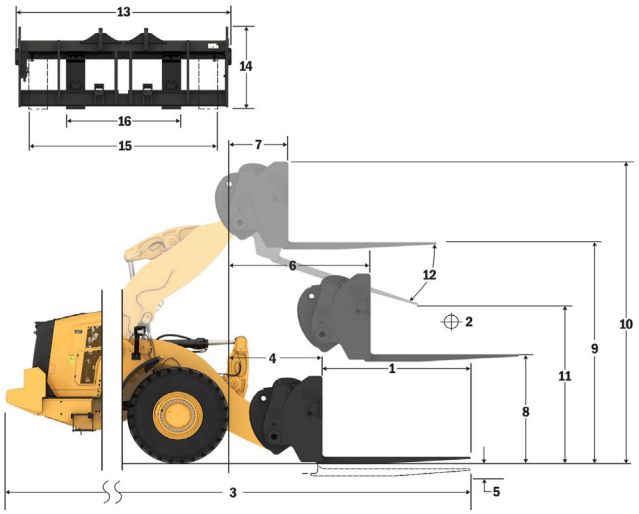
Fork Specifications

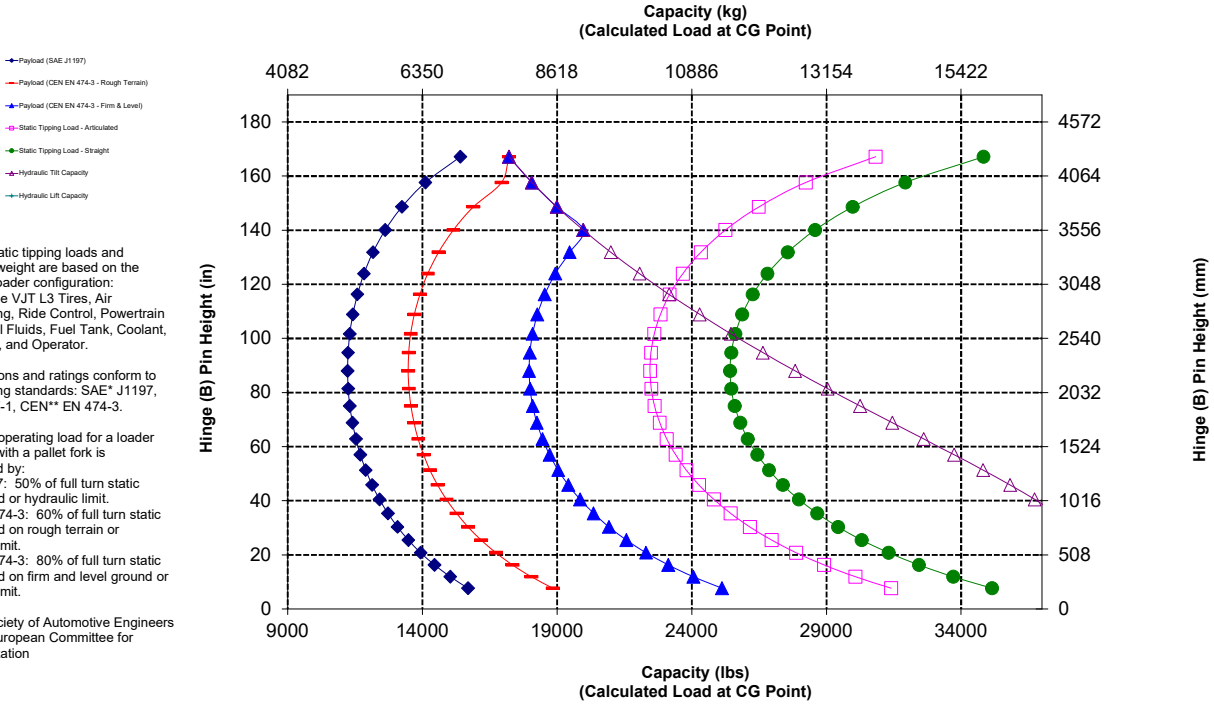
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11532 25416
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10184 22445
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5092 11222
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6110 13467
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7807 17206
3	Maximum Overall Length	mm in	9615 378.5
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	22661 49944

*Negative values indicate below grade

966 STD
Construction Fork, Fusion

96" Carriage	72" Tine
520-7957	520-7979





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

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

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

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

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

966 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

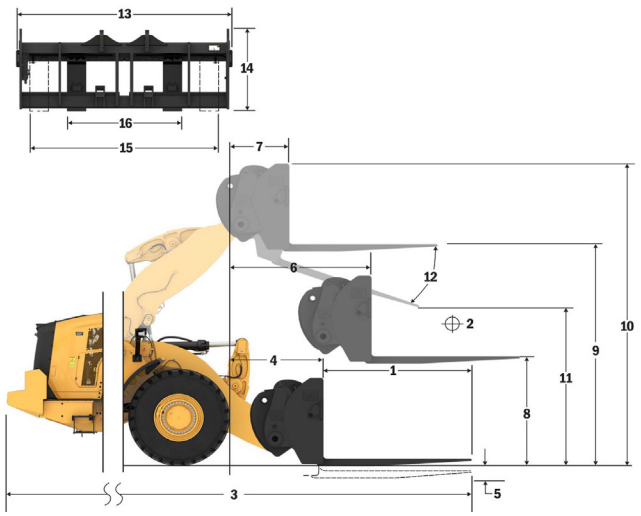
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10479 23096
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9238 20361
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4619 10181
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5543 12217
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6207 13681
3	Maximum Overall Length	mm in	10224 402.5
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	1899 74.7
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	22786 50220

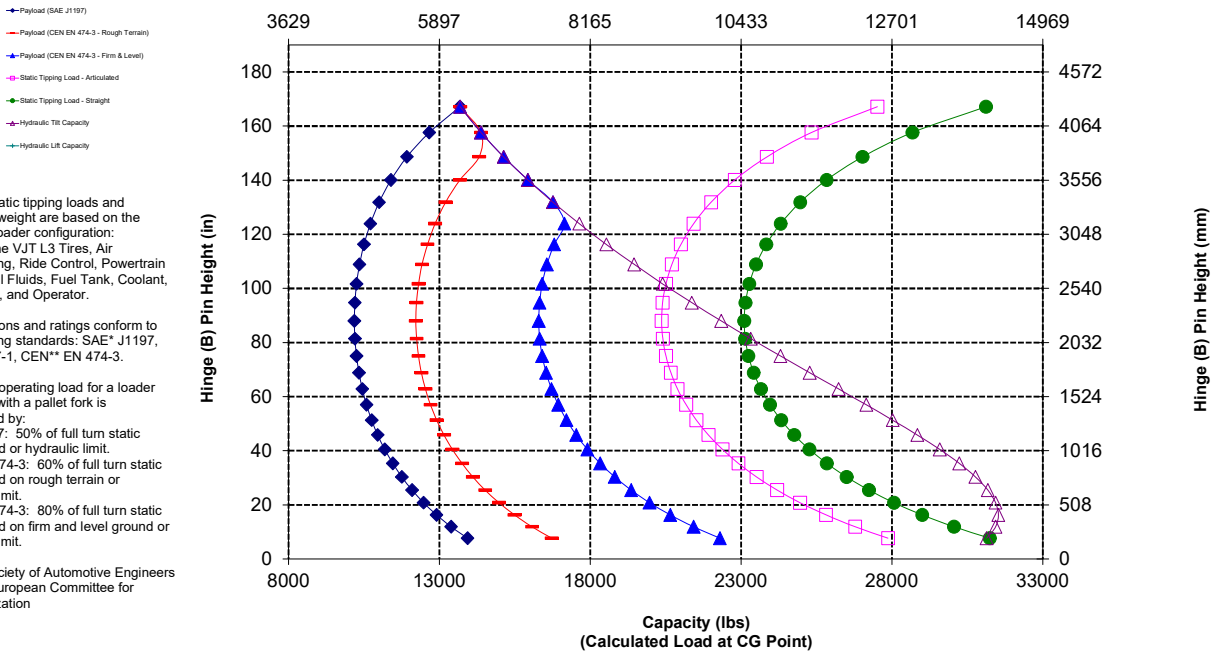
*Negative values indicate below grade

966 STD

Construction Fork, Fusion

96" Carriage	96" Tine
520-7957	520-7981





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

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

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

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

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

Fork Specifications

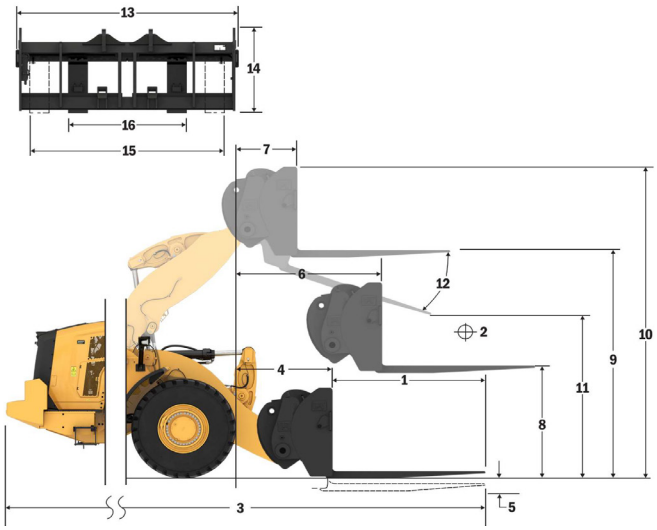
Fork Specifications

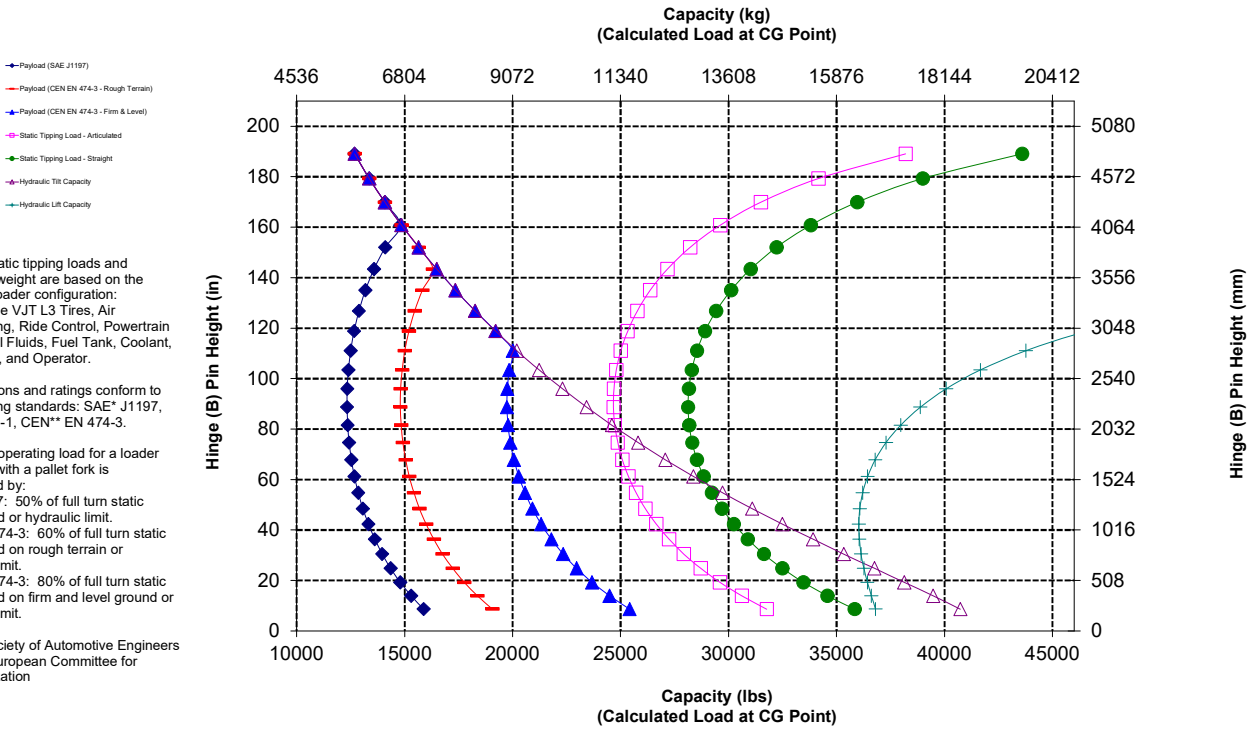
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12757 28117
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11191 24665
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5596 12333
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5754 12682
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5754 12682
3	Maximum Overall Length	mm in	10012 394.2
4	Reach with Forks at Ground Level	mm in	1612 63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-141 -5.6
6	Reach with Arms Horizontal and Forks Level	mm in	2098 82.6
7	Reach with Fork at Maximum Height	mm in	802 31.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4507 177.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5282 208.0
11	Clearance at Full Lift and Max Dump	mm in	3189 125.6
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	6300 13885
	Operating Weight	kg lbs	23877 52625

*Negative values indicate below grade

966 HL

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





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

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

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

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

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

966 XE Wheel Loader Specifications

Fork Specifications

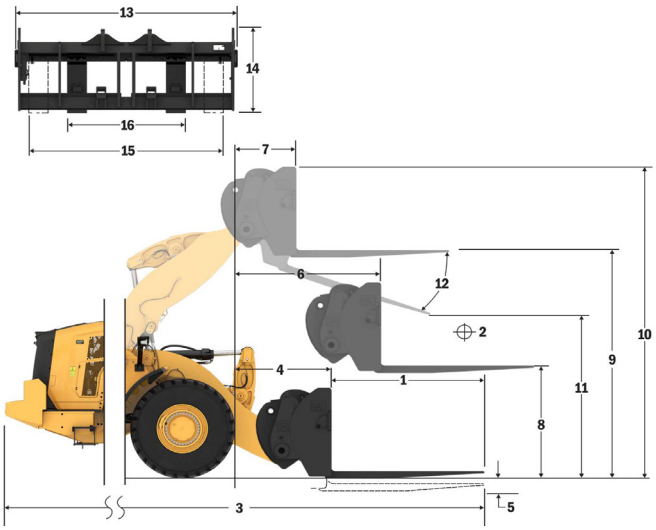
Fork Specifications

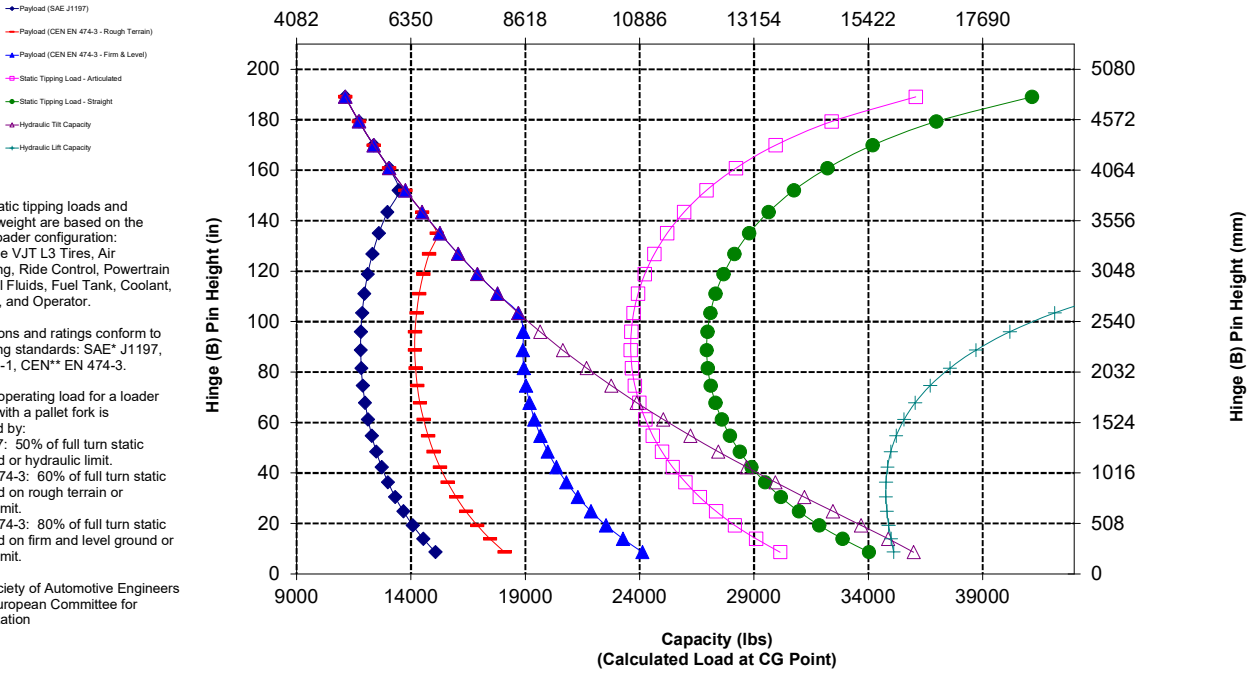
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12215 26921
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10710 23605
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5046 11121
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5046 11121
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5046 11121
3	Maximum Overall Length	mm in	10318 406.2
4	Reach with Forks at Ground Level	mm in	1612 63.5
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-141 -5.6
6	Reach with Arms Horizontal and Forks Level	mm in	2098 82.6
7	Reach with Fork at Maximum Height	mm in	802 31.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4507 177.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5282 208.0
11	Clearance at Full Lift and Max Dump	mm in	2977 117.2
12	Max Discharge Angle from Horizontal	deg	44
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	23924 52729

*Negative values indicate below grade

966 HL

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





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

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

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

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

Fork Specifications

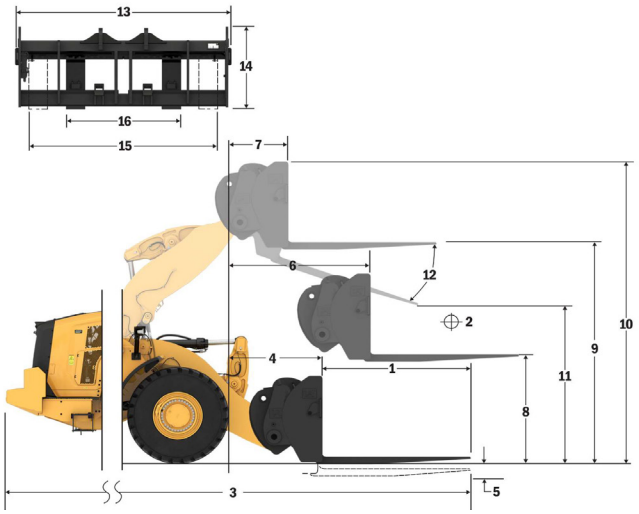
Fork Specifications

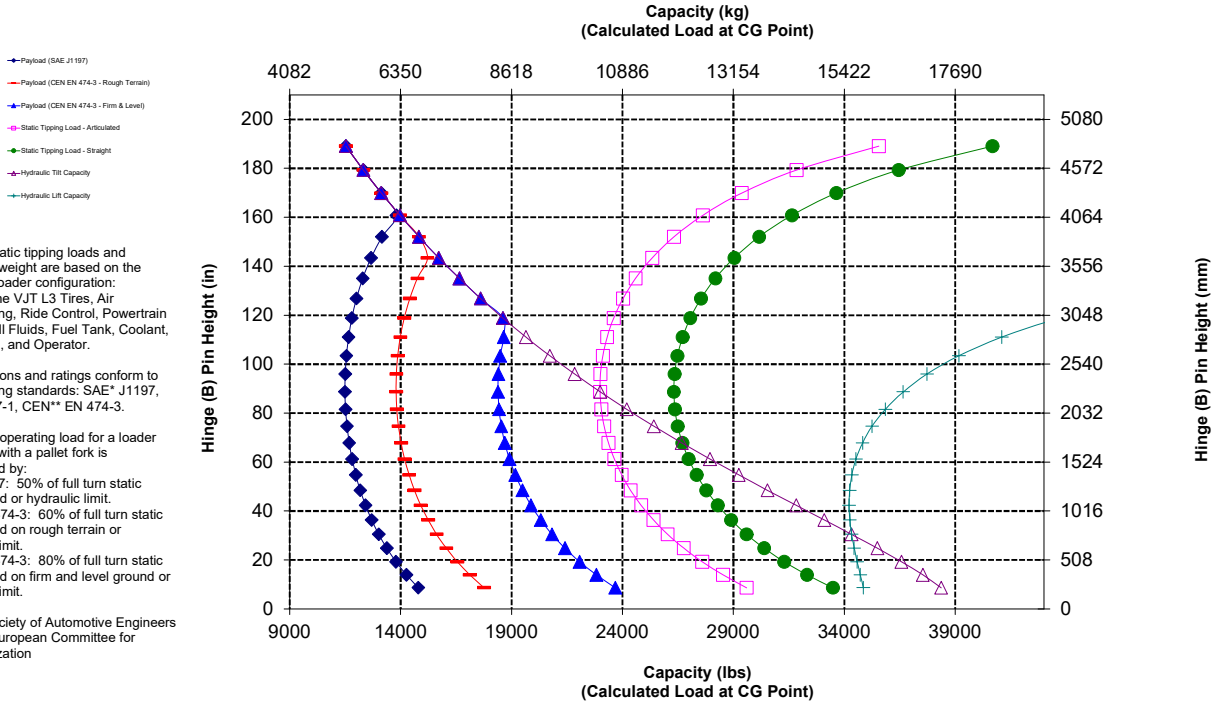
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11936 26307
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10427 22981
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5214 11491
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5231 11530
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	5231 11530
3	Maximum Overall Length	mm in	10275 404.5
4	Reach with Forks at Ground Level	mm in	1570 61.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
6	Reach with Arms Horizontal and Forks Level	mm in	2090 82.3
7	Reach with Fork at Maximum Height	mm in	793 31.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4611 181.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5651 222.5
11	Clearance at Full Lift and Max Dump	mm in	2895 114.0
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	24313 53586

*Negative values indicate below grade

966 HL
Construction Fork, Fusion

96" Carriage	72" Tine
520-7957	520-7979





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

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**CEN - European Committee for Standardization

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

966 XE Wheel Loader Specifications

Fork Specifications

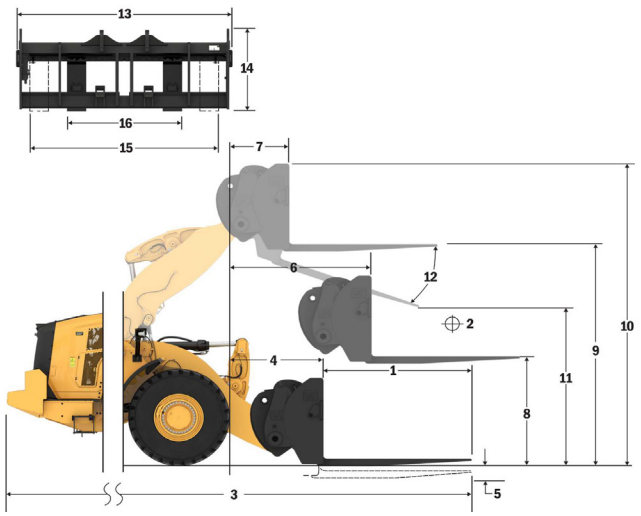
Fork Specifications

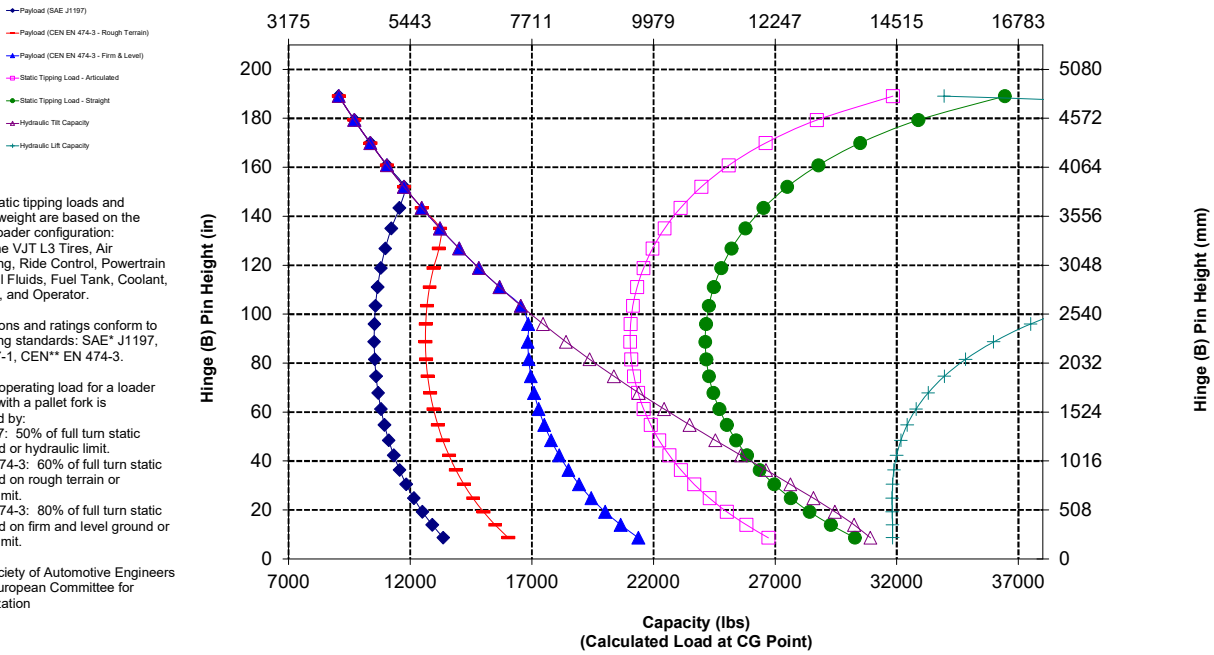
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10943 24119
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9543 21033
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4110 9059
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	4110 9059
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	4110 9059
3	Maximum Overall Length	mm in	10884 428.5
4	Reach with Forks at Ground Level	mm in	1570 61.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
6	Reach with Arms Horizontal and Forks Level	mm in	2090 82.3
7	Reach with Fork at Maximum Height	mm in	793 31.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4611 181.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5651 222.5
11	Clearance at Full Lift and Max Dump	mm in	2427 95.6
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	24438 53861

*Negative values indicate below grade

966 HL
Construction Fork, Fusion

96" Carriage	96" Tine
520-7957	520-7981





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

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

Fork Specifications

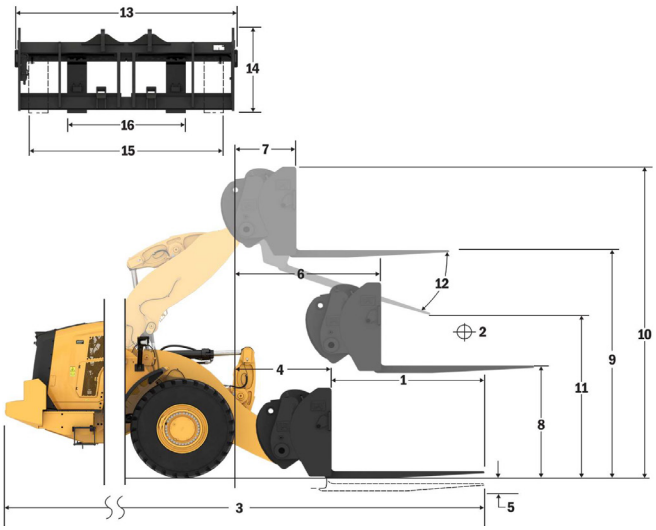
Fork Specifications

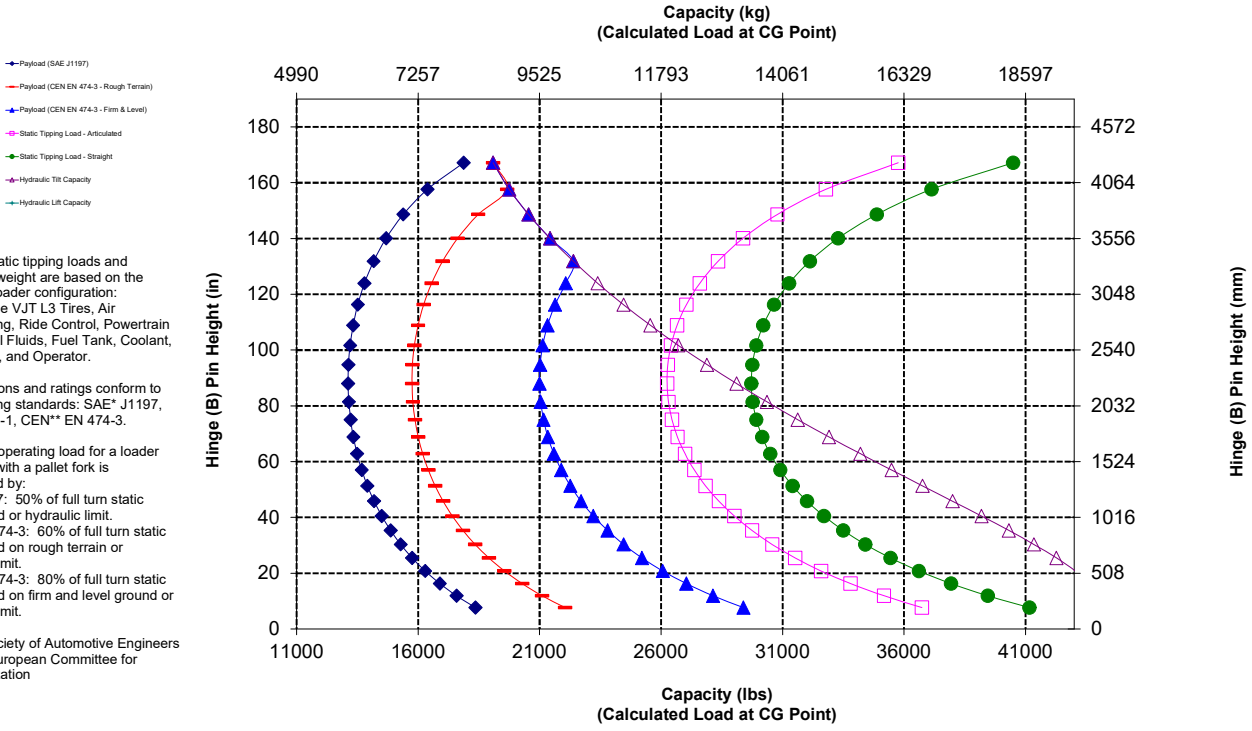
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13477 29703
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11905 26238
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5952 13119
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7143 15743
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8656 19078
3	Maximum Overall Length	mm in	9526 375.0
4	Reach with Forks at Ground Level	mm in	1126 44.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-166 -6.5
6	Reach with Arms Horizontal and Forks Level	mm in	1694 66.7
7	Reach with Fork at Maximum Height	mm in	826 32.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3949 155.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4724 186.0
11	Clearance at Full Lift and Max Dump	mm in	2652 104.4
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	6300 13885
	Operating Weight	kg lbs	22876 50418

*Negative values indicate below grade

966 AGG

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





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

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

The rated operating load for a loader equipped with a pallet fork is determined by:
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WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 XE Wheel Loader Specifications

Fork Specifications

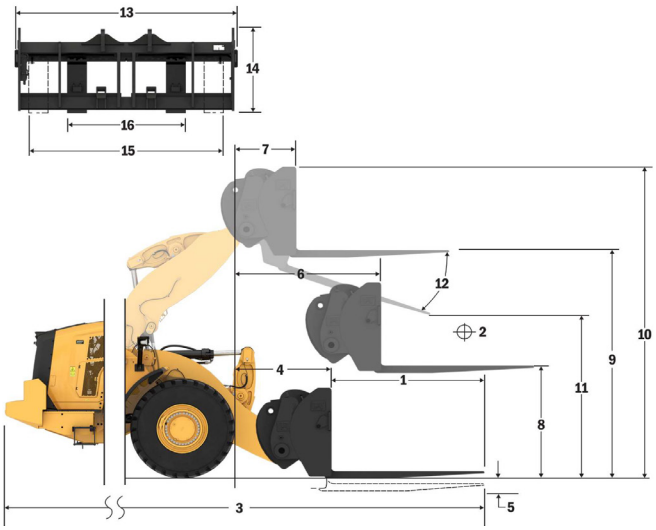
Fork Specifications

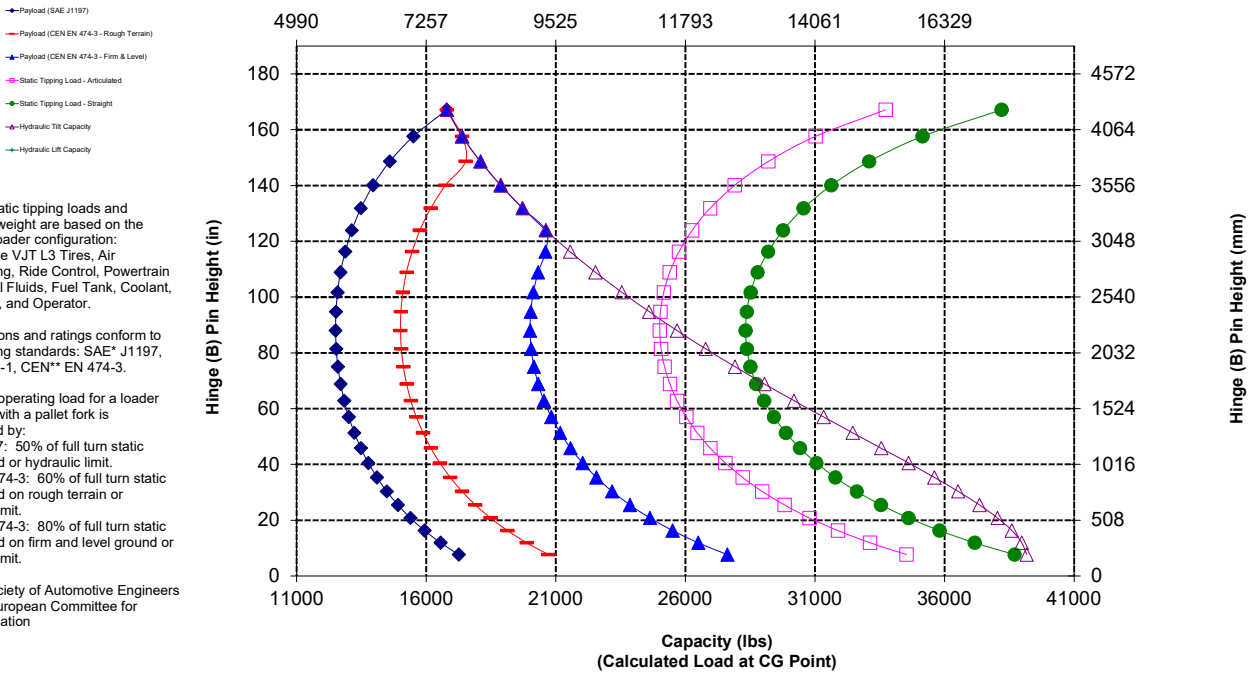
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12847 28315
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11344 25002
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5672 12501
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6806 15001
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7618 16790
3	Maximum Overall Length	mm in	9832 387.1
4	Reach with Forks at Ground Level	mm in	1126 44.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-166 -6.5
6	Reach with Arms Horizontal and Forks Level	mm in	1694 66.7
7	Reach with Fork at Maximum Height	mm in	826 32.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3949 155.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4724 186.0
11	Clearance at Full Lift and Max Dump	mm in	2444 96.2
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	22923 50521

*Negative values indicate below grade

966 AGG

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





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

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

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Fork Specifications

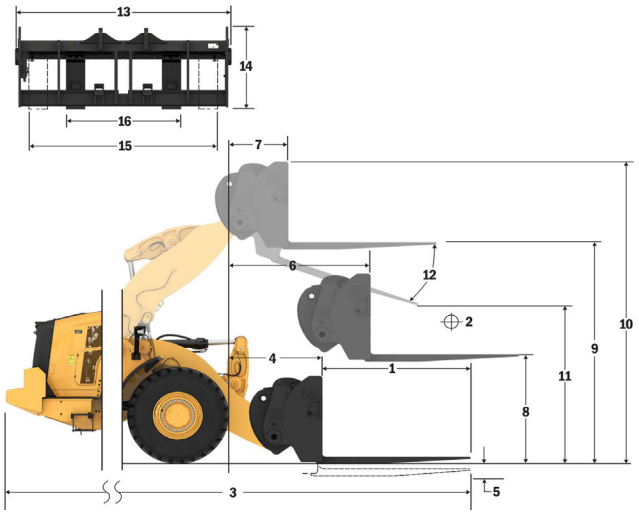
Fork Specifications

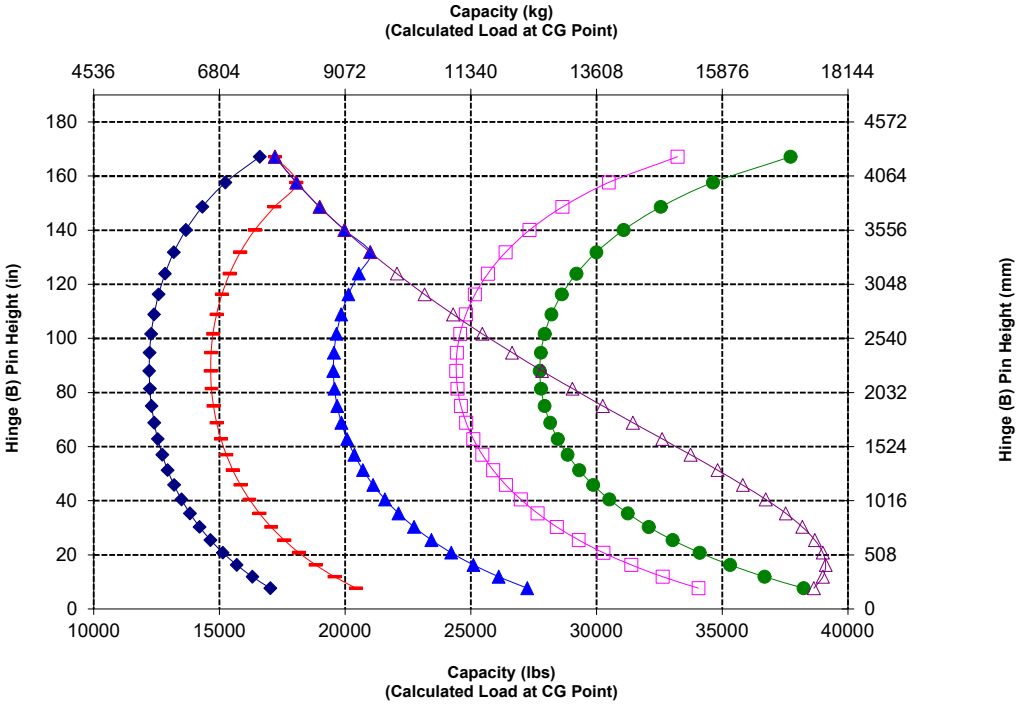
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12583 27733
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11075 24409
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5537 12204
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6645 14645
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7807 17206
3	Maximum Overall Length	mm in	9782 385.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	23312 51379

*Negative values indicate below grade

966 AGG
Construction Fork, Fusion

96" Carriage	72" Tine
520-7957	520-7979





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.

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966 XE Wheel Loader Specifications

Fork Specifications

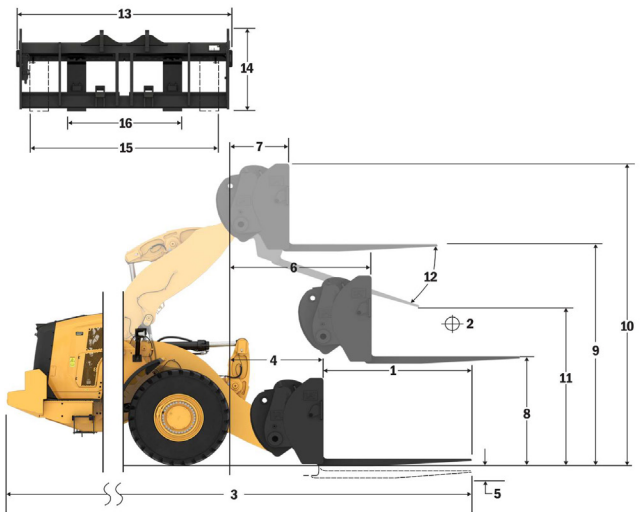
Fork Specifications

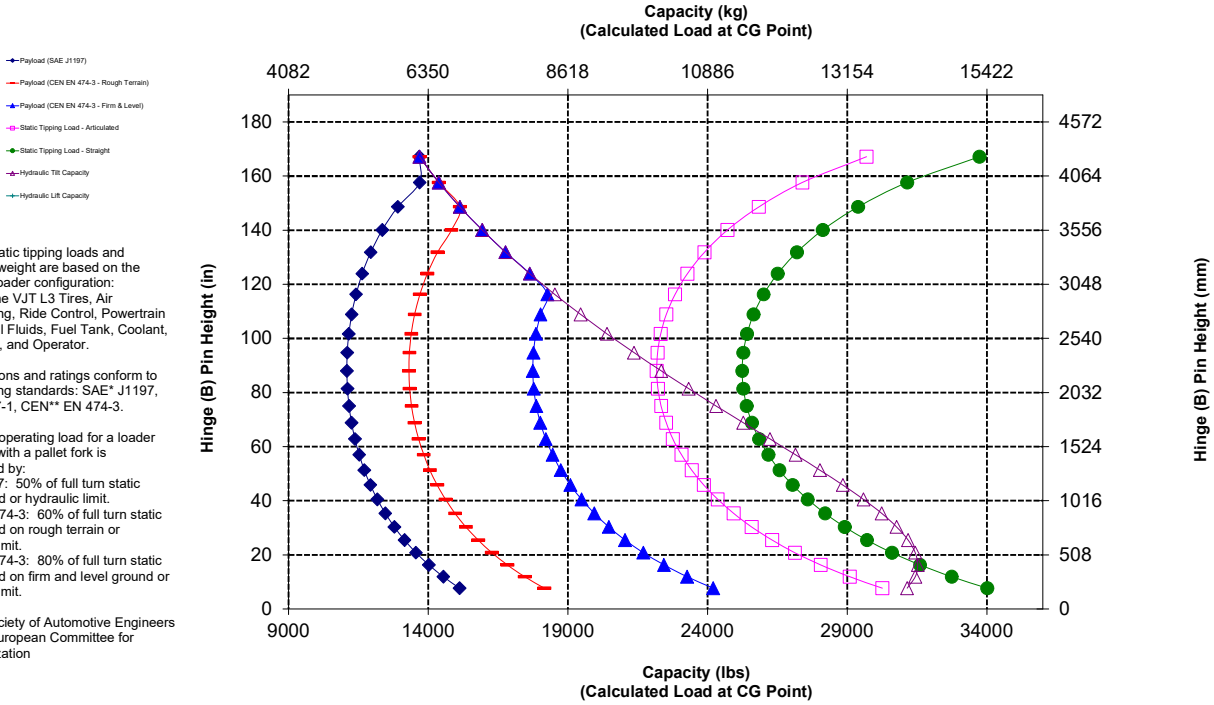
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11448 25232
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10060 22173
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5030 11087
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6036 13304
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6207 13681
3	Maximum Overall Length	mm in	10391 409.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	1899 74.7
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	23437 51654

*Negative values indicate below grade

966 AGG
Construction Fork, Fusion

96" Carriage	96" Tine
520-7957	520-7981





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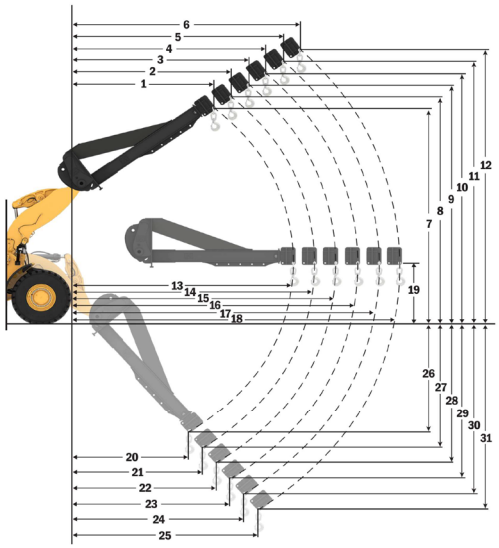
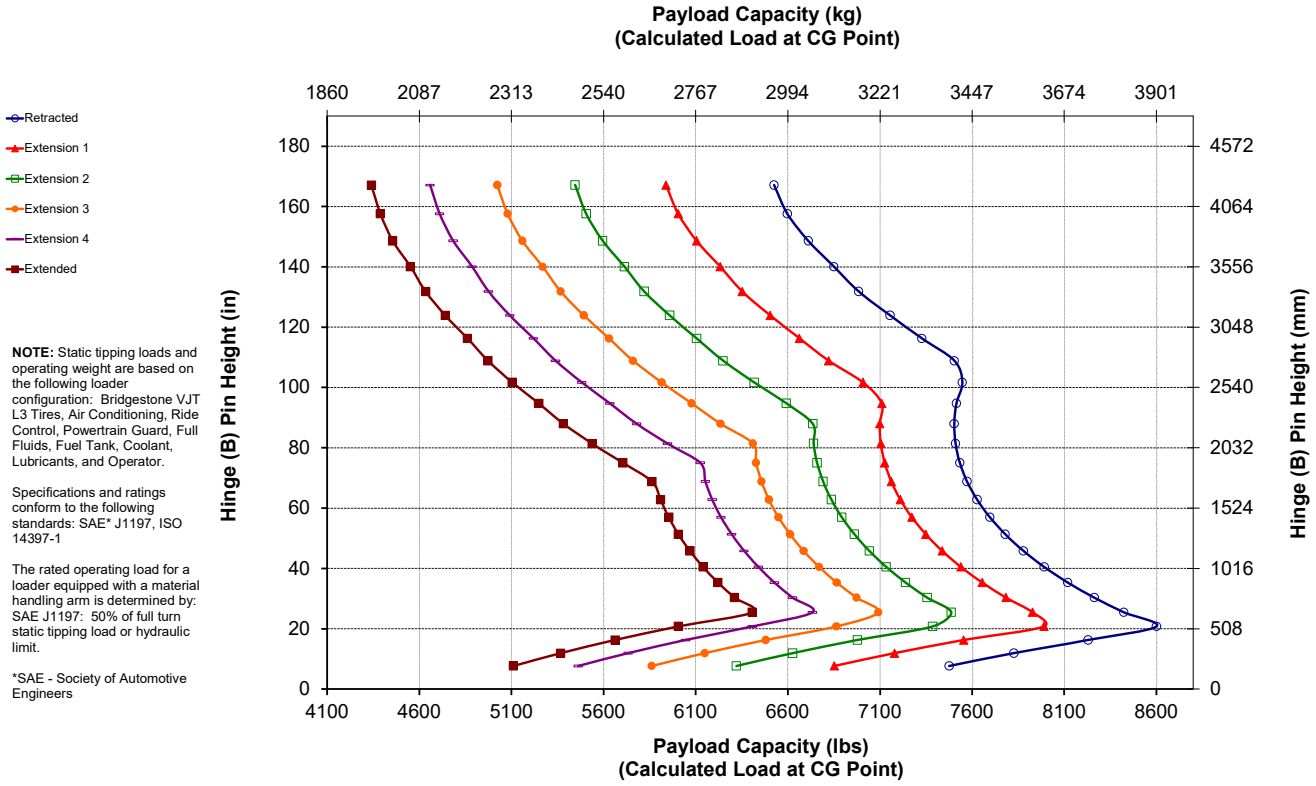
Material Handling Arm Specifications

966 STD

Fusion Material Handling Arm **6Pos**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	mm	1,823	1,936	2,049	2,162	2,275	2,388
	ft, in	5' 11"	6' 4"	6' 8"	7' 1"	7' 5"	7' 10"
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	mm	7,218	7,501	7,784	8,067	8,350	8,633
	ft, in	23' 8"	24' 7"	25' 6"	26' 5"	27' 4"	28' 3"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,553	4,858	5,162	5,467	5,772	6,077
	ft, in	14' 11"	15' 11"	16' 11"	17' 11"	18' 11"	19' 11"
Level - Hook Height (19)	mm	1,937	1,937	1,937	1,937	1,937	1,937
	ft, in	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	1,720	1,852	1,983	2,114	2,245	2,377
	ft, in	5' 7"	6' 0"	6' 6"	6' 11"	7' 4"	7' 9"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,871)	(3,146)	(3,421)	(3,696)	(3,971)	(4,246)
	ft, in	-9' 6"	-10' 8"	-11' 9"	-12' 10"	-13' 11"	-13' 0"
Static Tipping Load, Straight	kg	7,689	7,275	6,902	6,564	6,258	5,977
	lb	16,947	16,033	15,211	14,468	13,792	13,174
Static Tipping Load, Articulated	kg	6,830	6,461	6,129	5,829	5,556	5,306
	lb	15,053	14,240	13,509	12,847	12,245	11,695
Operating Weight	kg	21,986	21,986	21,986	21,986	21,986	21,986
	lb	48,456	48,456	48,456	48,456	48,456	48,456





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

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

*SAE - Society of Automotive Engineers

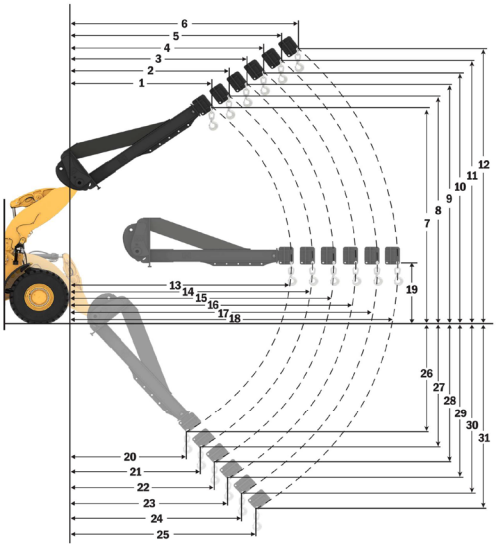
966 XE Wheel Loader Specifications

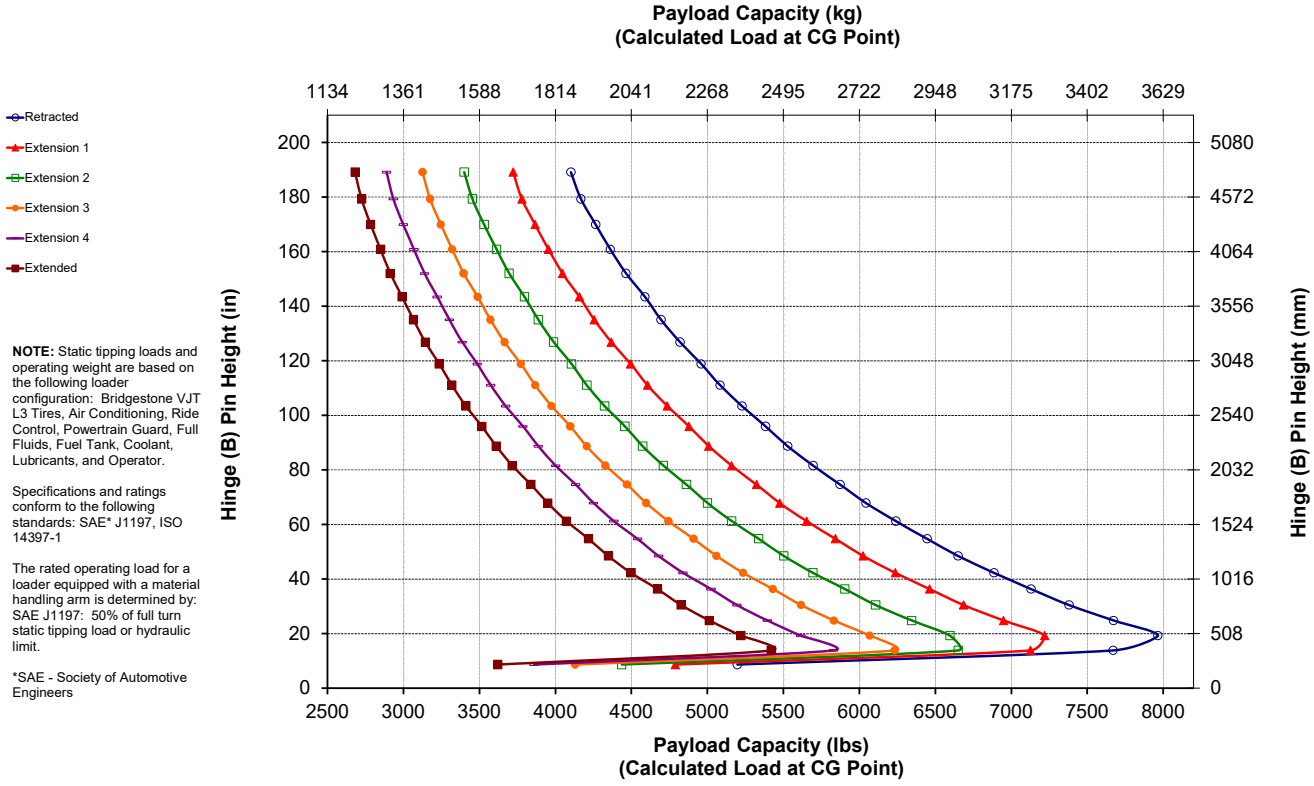
Material Handling Arm Specifications

966 HL

Fusion Material Handling Arm 6Pos

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	mm	1,273	1,336	1,399	1,462	1,525	1,589
	ft, in	4' 2"	4' 4"	4' 7"	4' 9"	5' 0"	5' 2"
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	mm	7,975	8,273	8,572	8,870	9,168	9,466
	ft, in	26' 1"	27' 1"	28' 1"	29' 1"	30' 0"	31' 0"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,957	5,262	5,567	5,871	6,176	6,481
	ft, in	16' 3"	17' 3"	18' 3"	19' 3"	20' 3"	21' 3"
Level - Hook Height (19)	mm	1,937	1,937	1,937	1,937	1,937	1,937
	ft, in	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	(413)	(529)	(645)	(761)	(877)	(993)
	ft, in	-1' 7"	-1' 3"	-2' 10"	-2' 6"	-2' 1"	-3' 8"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,737)	(3,019)	(3,301)	(3,583)	(3,864)	(4,146)
	ft, in	-8' 0"	-9' 1"	-10' 2"	-11' 2"	-12' 3"	-13' 4"
Static Tipping Load, Straight	kg	8,280	7,864	7,487	7,143	6,829	6,541
	lb	18,249	17,332	16,500	15,744	15,051	14,416
Static Tipping Load, Articulated	kg	7,283	6,917	6,584	6,282	6,005	5,751
	lb	16,053	15,244	14,512	13,845	13,235	12,675
Operating Weight	kg	23,638	23,638	23,638	23,638	23,638	23,638
	lb	52,098	52,098	52,098	52,098	52,098	52,098





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

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

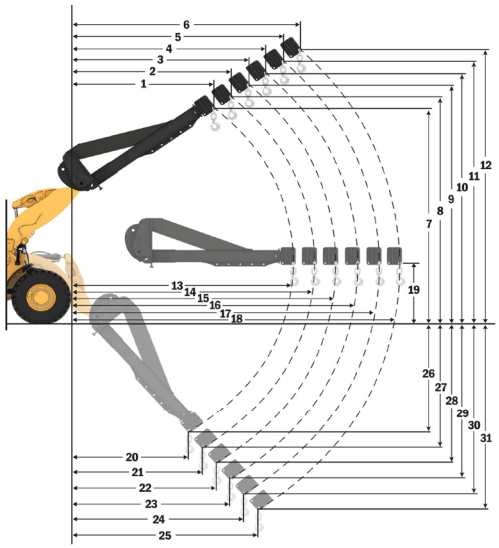
*SAE - Society of Automotive Engineers

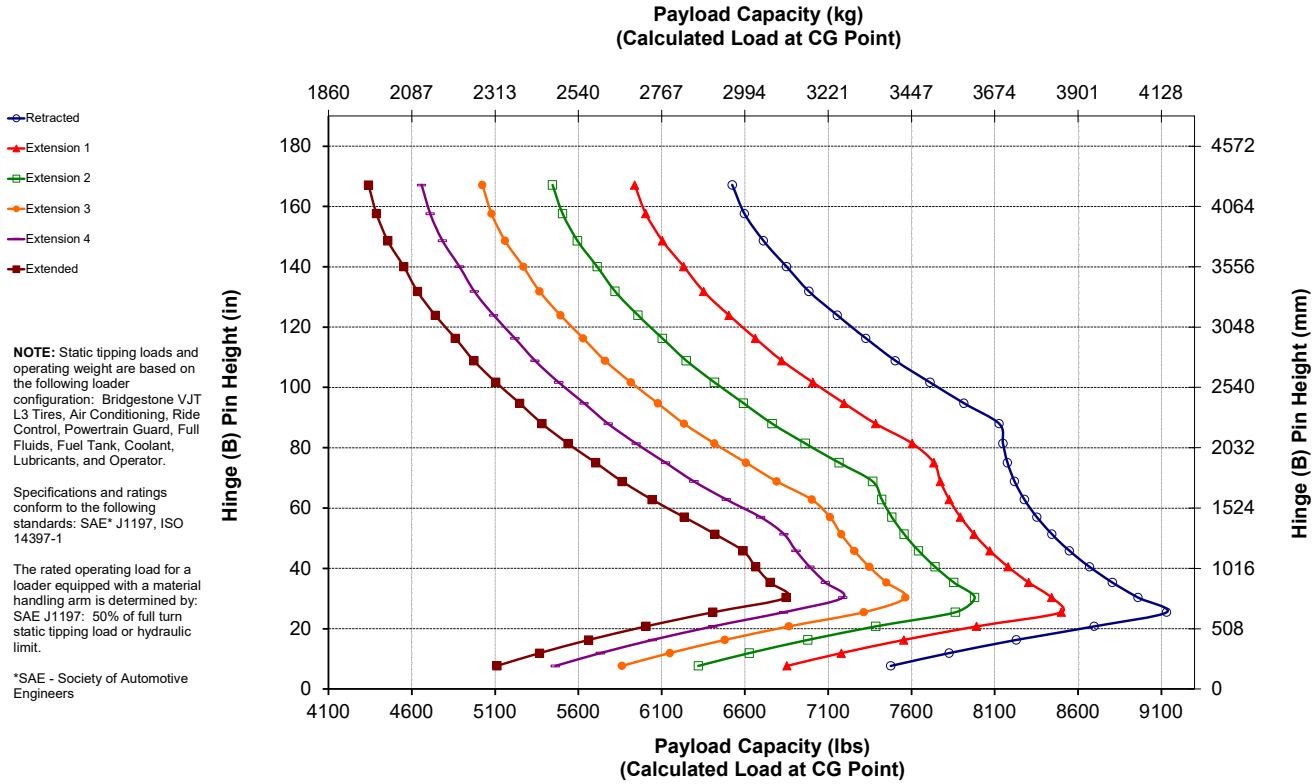
Material Handling Arm Specifications

966 AGG

Fusion Material Handling Arm **6Pos**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	mm	1,823	1,936	2,049	2,162	2,275	2,388
	ft, in	5' 11"	6' 4"	6' 8"	7' 1"	7' 5"	7' 10"
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	mm	7,218	7,501	7,784	8,067	8,350	8,633
	ft, in	23' 8"	24' 7"	25' 6"	26' 5"	27' 4"	28' 3"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,553	4,858	5,162	5,467	5,772	6,077
	ft, in	14' 11"	15' 11"	16' 11"	17' 11"	18' 11"	19' 11"
Level - Hook Height (19)	mm	1,937	1,937	1,937	1,937	1,937	1,937
	ft, in	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	1,720	1,852	1,983	2,114	2,245	2,377
	ft, in	5' 7"	6' 0"	6' 6"	6' 11"	7' 4"	7' 9"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,871)	(3,146)	(3,421)	(3,696)	(3,971)	(4,246)
	ft, in	-9' 6"	-10' 8"	-11' 9"	-12' 10"	-13' 11"	-13' 0"
Static Tipping Load, Straight	kg	8,375	7,925	7,519	7,153	6,819	6,515
	lb	18,459	17,466	16,573	15,764	15,029	14,358
Static Tipping Load, Articulated	kg	7,415	7,016	6,656	6,331	6,035	5,765
	lb	16,343	15,463	14,670	13,953	13,301	12,706
Operating Weight	kg	22,637	22,637	22,637	22,637	22,637	22,637
	lb	49,891	49,891	49,891	49,891	49,891	49,891





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

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

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966 XE Wheel Loader Specifications

Standard and Optional Equipment

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

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

	Standard	Optional
HYDRAULICS		
Implement system, load sensing with electro-hydraulic variable displacement piston pump	✓	
Steering system, load sensing with dedicated variable displacement piston pump	✓	
Ride control, dual accumulators	✓	
3rd and 4th auxiliary functions with ride control		✓
Oil sampling valves, Cat XT™ hoses	✓	
Quick coupler control		✓
POWERTRAIN		
Cat C9.3B engine	✓	
Electric fuel priming pump	✓	
Fuel-water separator and secondary fuel filter	✓	
Engine, air precleaner	✓	
Turbine, air precleaner		✓
Radiator, high debris		✓
Cooling fan, reversible		✓
Axles, auto front differential lock	✓	
Axles, auto front and rear differential locks		✓
Axles, ecology drains	✓	
Axles, AOC ready, extreme temperature seals		✓
Axles, oil cooler		✓
Transmission, continuous variable	✓	
Rimpull control	✓	
Throttle lock mode	✓	
Hill and speed hold on grades	✓	
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	✓	
Park brake, caliper on front axles, spring applied-pressure released	✓	
ELECTRICAL		
Starting and charging system, 24V	✓	
Starter, electric, heavy duty	✓	
Cold start, 120V or 240V		✓
Lights: halogen, 4 work lights, 2 rearview lights	✓	
Lights: roading with turn signals	✓	
Lights: LED		✓

(continued on next page)

* Not available in all languages
** Standard where mandated
*** Not Compatible with roading arrangements
**** Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

[1]Subscription required

Standard and Optional Equipment *(continued)*

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

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

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

* Not available in all languages
** Standard where mandated
*** Not Compatible with roading arrangements
**** Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.

[1]Subscription required

966 XE Environmental Declaration

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

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

Engine

- Cat® C9.3B engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
  - 20% biodiesel FAME (fatty acid methyl ester) ***
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

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

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

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

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

Air Conditioning System

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

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO_2 equivalent of 2.288 metric tonnes (2.522 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

Paint

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

Sound Performance

Operator Sound Pressure Level (ISO 6396:2008)	67 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	67 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	105 dB(A)

*Including countries that adopt the EU and UK Directives

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

Oils and Fluids

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

Features and Technology

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

Recycling

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

Material Type	Weight Percentage
Steel	68.65%
Iron	17.15%
Nonferrous Metal	2.46%
Mixed Metal	0.27%
Mixed-Metal and Nonmetal	0.59%
Plastic	1.13%
Rubber	4.92%
Mixed Nonmetallic	0.02%
Fluid	1.69%
Other	3.11%
Uncategorized	0%
Total	100%

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

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

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

Recyclability – 97%

966 XE

Waste and Scrap Handler

The Cat® 966 XE Wheel Loader Waste and Scrap Handler package features guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap yards, and demolition sites.

Proven Reliability

- Cat C9.3B engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF), and Diesel Exhaust Fluid (DEF) tank and pump.
- Features an electric fuel priming pump, fuel-water separator, and secondary fuel filter.
- 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 waste and scrap applications.

Superior Fuel Efficiency and Productivity

- Low fuel burn for exceptional efficiency.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Optional high lift linkage provides additional dump clearance.
- Optional 3rd and 4th valve hydraulics for work tools that require additional functions.
- Optional variable pitch fan and high debris cooling cores keep the cores free from debris.

Safety Features

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

Reduced Maintenance Time and Costs

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

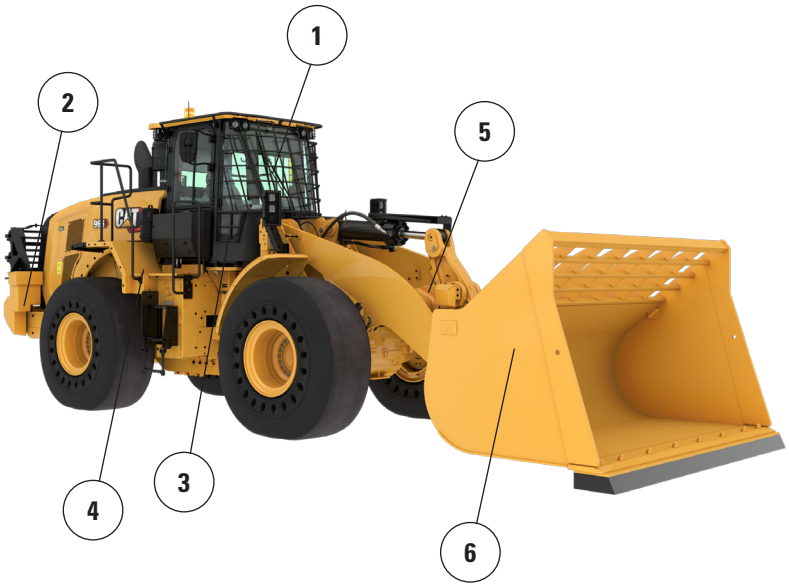
Work in Comfort in the All New Cab

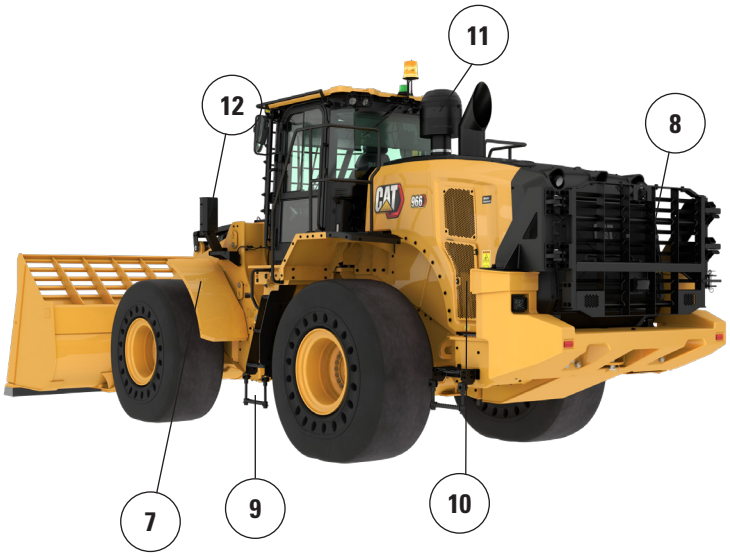
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurize the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab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

966 XE Waste and Scrap Handler Specifications

966 XE Waste and Scrap Handler Features

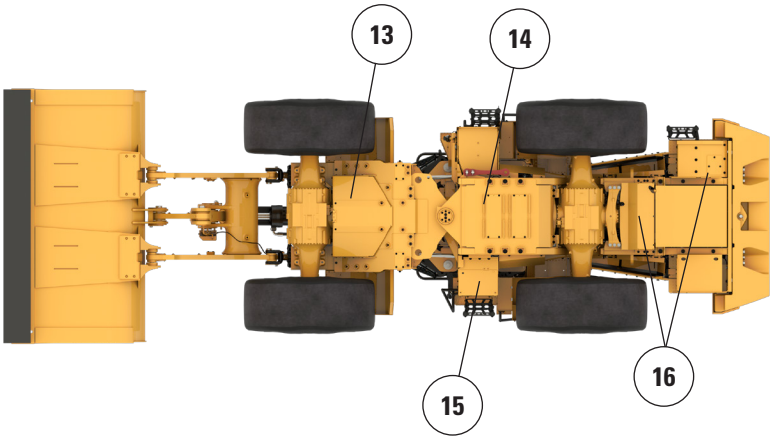
1. Optional window guarding to provide impact resistance to the glass
2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
3. Carbon cab air filter removes harsh odors
4. Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
5. Optional 3rd and 4th valve hydraulics available to control a large variety of work tools
6. Large line of Cat 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

13. Lower front frame guard protects vital drivetrain components and keeps trash from getting in the front frame compartment
14. Powertrain guard protects the transmission and helps keep trash out of the engine compartment
15. Lower hydraulic service center guard protects the transmission filter and keep trash out of the service center
16. Rear crankcase and platform guards keeps trash and debris out



Tire Options

Tire Brand	BRAWLER HPS SMOOTH	BRAWLER HPS TRACTION	BRIDGESTONE	MICHELIN	MAXAM
Tire Size	**26.5R25**	**26.5R25**	**26.5R25**	**26.5R25**	**26.5R25**
Tread Type	**N/A**	**N/A**	**L3**	**L3**	**L3**
Tread Pattern	**SMOOTH**	**TRACTION**	**VJT**	**XHA2**	**MS302**
Casing Strength	**N/A**	**N/A**	*	**	**
Width over Tires – Maximum (empty)*	2959 mm 9'9"	2959 mm 9'9"	2978 mm 9'10"	2986 mm 9'10"	2972 mm 9'9"
Width over Tires – Maximum (loaded)*	2968 mm 9'9"	2968 mm 9'9"	3012 mm 9'11"	3016 mm 9'11"	2947 mm 9'9"
Change in Vertical Dimensions (average of front and rear)		-3 mm -0.1"	-37 mm -1.5"	-48 mm -1.9"	-23 mm -0.9"
Change in Horizontal Reach		0 mm 0"	-11 mm -0.4"	-8 mm -0.3"	-18 mm -0.7"
Change in Clearance Circle to Outside of Tires		0 mm 0"	44 mm 1.7"	48 mm 1.9"	-21 mm -0.8"
Change in Clearance Circle to Inside of Tires		0 mm 0"	-44 mm -1.7"	-48 mm -1.9"	21 mm 0.8"
Change in Operating Weight (without Ballast)		-224 kg -494 lb	-4300 kg -9,482 lb	-4464 kg -9,843 lb	-4316 kg -9,517 lb
Change in Static Tipping Load – Straight		-162 kg -358 lb	-3118 kg -6,874 lb	-3236 kg -7,136 lb	-3129 kg -6,900 lb
Change in Static Tipping Load – Articulated		-144 kg -319 lb	-2774 kg -6,116 lb	-2879 kg -6,349 lb	-2784 kg -6,138 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	310 mm 1'1"	310 mm 1'1"	502 mm 1'8"	502 mm 1'8"	502 mm 1'8"

*Width over tire bulge and includes tire growth.

966 XE Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage		
Bucket Type		**General Purpose – Hook-On – Fusion**		
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	4.20	4.20	4.00
	yd^3	5.50	5.50	5.25
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.40
	yd^3	6.00	6.00	5.75
Width	mm	3220	3271	3271
	ft/in	10'6"	10'8"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2998	2844	2844
	ft/in	9'10"	9'3"	9'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1406	1544	1544
	ft/in	4'7"	5'0"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2866	3070	3070
	ft/in	9'4"	10'0"	10'0"
A† Digging Depth	mm	78	78	48
	in	3.0"	3.0"	1.9"
12† Overall Length	mm	8767	8993	8993
	ft/in	28'10"	29'7"	29'7"
B† Overall Height with Bucket at Maximum Lift	mm	5998	5998	5998
	ft/in	19'9"	19'9"	19'9"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7539	7629	7629
	ft/in	24'9"	25'1"	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	19 632	19 449	19 814
	lb	43,280	42,877	43,682
Static Tipping Load, Straight (No tire deflection)	kg	21 122	20 937	21 319
	lb	46,554	46,146	46,988
Static Tipping Load, Articulated (With tire deflection)	kg	17 832	17 649	18 001
	lb	39,313	38,910	39,685
Static Tipping Load, Articulated (No tire deflection)	kg	19 330	19 145	19 513
	lb	42,604	42,196	43,007
Breakout Force (§)	kN	166	165	176
	lbf	37,424	37,081	39,622
Operating Weight*	kg	28 578	28 716	28 553
	lb	62,985	63,289	62,930

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

Operating Specifications – Buckets

Linkage		Standard Linkage					
Bucket Type		**General Purpose – Hook-On – Fusion**					
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**	**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	3.80	3.80	3.60	4.60	4.60	4.40
	yd^3	5.00	5.00	4.75	6.00	6.00	5.75
Capacity – Rated at 110% Fill Factor	m^3	4.20	4.20	4.00	5.10	5.10	4.80
	yd^3	5.50	5.50	5.25	6.75	6.75	6.25
Width	mm	3220	3271	3271	3220	3271	3271
	ft/in	10'6"	10'8"	10'8"	10'6"	10'8"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3076	2924	2924	2985	2831	2831
	ft/in	10'1"	9'7"	9'7"	9'9"	9'3"	9'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1335	1474	1474	1409	1546	1546
	ft/in	4'4"	4'10"	4'10"	4'7"	5'0"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2756	2961	2961	2876	3081	3081
	ft/in	9'0"	9'8"	9'8"	9'5"	10'1"	10'1"
A† Digging Depth	mm	86	86	56	85	85	55
	in	3.4"	3.4"	2.2"	3.3"	3.3"	2.1"
12† Overall Length	mm	8664	8890	8890	8783	9009	9009
	ft/in	28'6"	29'2"	29'2"	28'10"	29'7"	29'7"
B† Overall Height with Bucket at Maximum Lift	mm	5841	5841	5841	6076	6076	6076
	ft/in	19'2"	19'2"	19'2"	20'0"	20'0"	20'0"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7513	7602	7602	7545	7635	7635
	ft/in	24'8"	25'0"	25'0"	24'10"	25'1"	25'1"
Static Tipping Load, Straight (With tire deflection)	kg	19 940	19 758	20 132	19 767	19 611	19 971
	lb	43,960	43,559	44,383	43,644	43,234	44,028
Static Tipping Load, Straight (No tire deflection)	kg	21 432	21 248	21 639	21 345	21 157	21 536
	lb	47,237	46,831	47,692	47,046	46,630	47,466
Static Tipping Load, Articulated (With tire deflection)	kg	18 123	17 941	18 300	17 972	17 786	18 133
	lb	39,954	39,553	40,345	39,621	39,212	39,976
Static Tipping Load, Articulated (No tire deflection)	kg	19 622	19 437	19 813	19 526	19 338	19 704
	lb	43,247	42,840	43,669	43,037	42,621	43,428
Breakout Force (§)	kN	181	179	192	164	163	174
	lbf	40,682	40,332	43,265	37,052	36,706	39,210
Operating Weight*	kg	28 515	28 653	28 489	28 692	28 830	28 667
	lb	62,846	63,150	62,790	63,237	63,541	63,181

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

966 XE Waste and Scrap Handler Specifications

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	Tips
Capacity – Rated	m^3	4.60	4.60	4.40	3.80	3.60
	yd^3	6.00	6.00	5.75	5.00	4.75
Capacity – Rated at 110% Fill Factor	m^3	5.10	5.10	4.80	4.20	4.00
	yd^3	6.75	6.75	6.25	5.50	5.25
Width	mm	3264	3301	3301	3220	3271
	ft/in	10'8"	10'9"	10'9"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3015	2857	2857	3105	2953
	ft/in	9'10"	9'4"	9'4"	10'2"	9'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1372	1508	1508	1300	1440
	ft/in	4'6"	4'11"	4'11"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2829	3035	3035	2712	2916
	ft/in	9'3"	9'11"	9'11"	8'10"	9'6"
A† Digging Depth	mm	86	86	56	86	56
	in	3.4"	3.4"	2.2"	3.4"	2.2"
12† Overall Length	mm	8737	8968	8968	8620	8846
	ft/in	28'8"	29'6"	29'6"	28'4"	29'1"
B† Overall Height with Bucket at Maximum Lift	mm	6049	6049	6049	5815	5815
	ft/in	19'11"	19'11"	19'11"	19'1"	19'1"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7538	7619	7619	7488	7573
	ft/in	24'9"	25'0"	25'0"	24'7"	24'11"
Static Tipping Load, Straight (With tire deflection)	kg	20 322	20 014	20 393	20 562	20 599
	lb	44,803	44,123	44,958	45,332	45,414
Static Tipping Load, Straight (No tire deflection)	kg	21 884	21 570	21 966	22 086	22 106
	lb	48,234	47,541	48,413	48,678	48,722
Static Tipping Load, Articulated (With tire deflection)	kg	18 481	18 174	18 537	18 722	18 751
	lb	40,743	40,066	40,868	41,274	41,339
Static Tipping Load, Articulated (No tire deflection)	kg	20 049	19 735	20 116	20 251	20 263
	lb	44,189	43,498	44,336	44,635	44,661
Breakout Force (§)	kN	170	167	179	187	200
	lbf	38,334	37,661	40,281	42,203	44,976
Operating Weight*	kg	28 291	28 463	28 302	28 100	28 074
	lb	62,352	62,731	62,376	61,931	61,875

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

Operating Specifications – Buckets

Linkage		Standard Linkage			
Bucket Type		**General Purpose – Pin-On**			
Edge Type		**Bolt-On Cutting Edges**	**Tips**	**Bolt-On Cutting Edges**	**Tips**
Capacity – Rated	m^3	4.20	4.00	4.00	3.80
	yd^3	5.50	5.25	5.25	5.00
Capacity – Rated at 110% Fill Factor	m^3	4.60	4.40	4.40	4.20
	yd^3	6.00	5.75	5.75	5.50
Width	mm	3220	3271	3220	3271
	ft/in	10'6"	10'8"	10'6"	10'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3029	2875	3096	2943
	ft/in	9'11"	9'5"	10'1"	9'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1361	1498	1307	1446
	ft/in	4'5"	4'11"	4'3"	4'8"
Reach at Level Lift Arm and Bucket Level	mm	2811	3016	2723	2928
	ft/in	9'2"	9'10"	8'11"	9'7"
A† Digging Depth	mm	86	56	86	56
	in	3.4"	2.2"	3.4"	2.2"
12† Overall Length	mm	8719	8945	8631	8857
	ft/in	28'8"	29'5"	28'4"	29'1"
B† Overall Height with Bucket at Maximum Lift	mm	5926	5926	5926	5926
	ft/in	19'6"	19'6"	19'6"	19'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7513	7598	7491	7576
	ft/in	24'8"	25'0"	24'7"	24'11"
Static Tipping Load, Straight (With tire deflection)	kg	20 321	20 410	20 549	20 630
	lb	44,800	44,996	45,302	45,482
Static Tipping Load, Straight (No tire deflection)	kg	21 847	21 939	22 085	22 170
	lb	48,152	48,354	48,677	48,863
Static Tipping Load, Articulated (With tire deflection)	kg	18 489	18 565	18 704	18 772
	lb	40,762	40,928	41,236	41,386
Static Tipping Load, Articulated (No tire deflection)	kg	20 022	20 099	20 247	20 317
	lb	44,130	44,298	44,625	44,778
Breakout Force (§)	kN	173	184	185	197
	lbf	39,032	41,412	41,747	44,465
Operating Weight*	kg	28 208	28 182	28 152	28 126
	lb	62,169	62,113	62,046	61,990

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

966 XE Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – Pin-On
Edge Type		Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges
Capacity – Rated	m^3	6.50	7.40
	yd^3	8.50	9.75
Capacity – Rated at 110% Fill Factor	m^3	7.20	8.10
	yd^3	9.50	10.50
Width	mm	3357	3357
	ft/in	11'0"	11'0"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2951	2670
	ft/in	9'8"	8'9"
17† Reach at Maximum Lift and 45° Discharge	mm	1245	1526
	ft/in	4'1"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2802	3199
	ft/in	9'2"	10'5"
A† Digging Depth	mm	118	78
	in	4.6"	3.0"
12† Overall Length	mm	8736	9133
	ft/in	28'8"	30'0"
B† Overall Height with Bucket at Maximum Lift	mm	6600	6377
	ft/in	21'8"	21'0"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7584	7686
	ft/in	24'11"	25'3"
Static Tipping Load, Straight (With tire deflection)	kg	20 566	18 761
	lb	45,340	41,361
Static Tipping Load, Straight (No tire deflection)	kg	22 389	20 344
	lb	49,345	44,840
Static Tipping Load, Articulated (With tire deflection)	kg	18 643	16 970
	lb	41,101	37,412
Static Tipping Load, Articulated (No tire deflection)	kg	20 465	18 559
	lb	45,106	40,905
Breakout Force (§)	kN	169	136
	lbf	38,181	30,669
Operating Weight*	kg	28 905	29 129
	lb	63,705	64,199

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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Operating Specifications – Buckets

Linkage		Standard Linkage
Bucket Type		**Waste, Top Clamp – Pin-On**
Edge Type		**Steel Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.00
	yd^3	6.50
Capacity – Rated at 110% Fill Factor	m^3	5.50
	yd^3	7.25
Width	mm	3357
	ft/in	11'0"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2457
	ft/in	8'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1740
	ft/in	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3501
	ft/in	11'5"
A† Digging Depth	mm	78
	in	3.0"
12† Overall Length	mm	9435
	ft/in	31'0"
B† Overall Height with Bucket at Maximum Lift	mm	5516
	ft/in	18'2"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7768
	ft/in	25'6"
Static Tipping Load, Straight (With tire deflection)	kg	16 608
	lb	36,615
Static Tipping Load, Straight (No tire deflection)	kg	17 923
	lb	39,503
Static Tipping Load, Articulated (With tire deflection)	kg	14 949
	lb	32,956
Static Tipping Load, Articulated (No tire deflection)	kg	16 275
	lb	35,872
Breakout Force (§)	kN	112
	lbf	25,206
Operating Weight*	kg	29 916
	lb	65,933

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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966 XE Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage			High Lift Linkage					
Bucket Type			General Purpose – Hook-On – Fusion					
Edge Type			Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips
	Capacity – Rated	m^3	4.20	4.20	4.00	3.80	3.80	3.60
		yd^3	5.50	5.50	5.25	5.00	5.00	4.75
	Capacity – Rated at 110% Fill Factor	m^3	4.60	4.60	4.40	4.20	4.20	4.00
		yd^3	6.00	6.00	5.75	5.50	5.50	5.25
	Width	mm	3220	3271	3271	3220	3271	3271
		ft/in	10'6"	10'8"	10'8"	10'6"	10'8"	10'8"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	3556	3402	3402	3634	3482	3482
		ft/in	11'8"	11'1"	11'1"	11'11"	11'5"	11'5"
17†	Reach at Maximum Lift and 45° Discharge	mm	1382	1519	1519	1310	1450	1450
		ft/in	4'6"	4'11"	4'11"	4'3"	4'9"	4'9"
	Reach at Level Lift Arm and Bucket Level	mm	3270	3475	3475	3160	3365	3365
		ft/in	10'8"	11'4"	11'4"	10'4"	11'0"	11'0"
A†	Digging Depth	mm	53	53	23	61	61	31
		in	2.1"	2.1"	0.9"	2.4"	2.4"	1.2"
12†	Overall Length	mm	9274	9496	9496	9170	9392	9392
		ft/in	30'6"	31'2"	31'2"	30'2"	30'10"	30'10"
B†	Overall Height with Bucket at Maximum Lift	mm	6556	6556	6556	6399	6399	6399
		ft/in	21'7"	21'7"	21'7"	21'0"	21'0"	21'0"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7778	7878	7878	7747	7845	7845
		ft/in	25'7"	25'11"	25'11"	25'5"	25'9"	25'9"
	Static Tipping Load, Straight (With tire deflection)	kg	16 503	16 328	16 638	16 725	16 550	16 865
		lb	36,383	35,996	36,680	36,872	36,487	37,182
	Static Tipping Load, Straight (No tire deflection)	kg	17 608	17 431	17 750	17 825	17 648	17 972
		lb	38,809	38,418	39,122	39,286	38,896	39,611
	Static Tipping Load, Articulated (With tire deflection)	kg	14 933	14 757	15 058	15 144	14 969	15 274
		lb	32,921	32,534	33,197	33,386	33,000	33,674
	Static Tipping Load, Articulated (No tire deflection)	kg	16 053	15 875	16 185	16 258	16 081	16 395
		lb	35,381	34,990	35,672	35,832	35,442	36,135
	Breakout Force (§)	kN	154	152	162	167	165	177
		lbf	34,684	34,165	36,535	37,665	37,129	39,857
	Operating Weight*	kg	28 813	28 951	28 788	28 750	28 888	28 725
		lb	63,504	63,808	63,448	63,364	63,668	63,308

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

Operating Specifications – Buckets

Linkage		High Lift Linkage					
Bucket Type		**General Purpose – Hook-On – Fusion**			**General Purpose – Pin-On**		
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**	**Bolt-On Cutting Edges**	**Teeth and Segments**	**Tips**
Capacity – Rated	m^3	4.60	4.60	4.40	4.60	4.60	4.40
	yd^3	6.00	6.00	5.75	6.00	6.00	5.75
Capacity – Rated at 110% Fill Factor	m^3	5.10	5.10	4.80	5.10	5.10	4.80
	yd^3	6.75	6.75	6.25	6.75	6.75	6.25
Width	mm	3220	3271	3271	3264	3301	3301
	ft/in	10'6"	10'8"	10'8"	10'8"	10'9"	10'9"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3543	3389	3389	3573	3415	3415
	ft/in	11'7"	11'1"	11'1"	11'8"	11'2"	11'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1384	1522	1522	1348	1483	1483
	ft/in	4'6"	4'11"	4'11"	4'5"	4'10"	4'10"
Reach at Level Lift Arm and Bucket Level	mm	3280	3485	3485	3233	3439	3439
	ft/in	10'9"	11'5"	11'5"	10'7"	11'3"	11'3"
A† Digging Depth	mm	60	60	30	61	61	31
	in	2.3"	2.3"	1.1"	2.4"	2.4"	1.2"
12† Overall Length	mm	9289	9511	9511	9243	9469	9469
	ft/in	30'6"	31'3"	31'3"	30'4"	31'1"	31'1"
B† Overall Height with Bucket at Maximum Lift	mm	6634	6634	6634	6607	6607	6607
	ft/in	21'10"	21'10"	21'10"	21'9"	21'9"	21'9"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7784	7884	7884	7772	7863	7863
	ft/in	25'7"	25'11"	25'11"	25'6"	25'10"	25'10"
Static Tipping Load, Straight (With tire deflection)	kg	16 608	16 430	16 739	17 084	16 800	17 117
	lb	36,615	36,222	36,903	37,664	37,037	37,737
Static Tipping Load, Straight (No tire deflection)	kg	17 751	17 570	17 891	18 235	17 947	18 273
	lb	39,124	38,726	39,432	40,191	39,555	40,274
Static Tipping Load, Articulated (With tire deflection)	kg	15 018	14 840	15 139	15 482	15 199	15 506
	lb	33,108	32,716	33,376	34,132	33,507	34,184
Static Tipping Load, Articulated (No tire deflection)	kg	16 174	15 994	16 305	16 648	16 359	16 675
	lb	35,649	35,251	35,936	36,692	36,057	36,753
Breakout Force (§)	kN	152	150	160	157	153	164
	lbf	34,285	33,768	36,100	35,467	34,587	37,021
Operating Weight*	kg	28 927	29 065	28 902	28 526	28 698	28 537
	lb	63,755	64,059	63,700	62,870	63,249	62,894

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

966 XE Waste and Scrap Handler Specifications

Operating Specifications – Buckets

Linkage			High Lift Linkage					
Bucket Type			General Purpose – Pin-On					
Edge Type			Bolt-On Cutting Edges	Tips	Bolt-On Cutting Edges	Tips	Bolt-On Cutting Edges	Tips
	Capacity – Rated	m^3	3.80	3.60	4.20	4.00	4.00	3.80
		yd^3	5.00	4.75	5.50	5.25	5.25	5.00
	Capacity – Rated at 110% Fill Factor	m^3	4.20	4.00	4.60	4.40	4.40	4.20
		yd^3	5.50	5.25	6.00	5.75	5.75	5.50
	Width	mm	3220	3271	3220	3271	3220	3271
		ft/in	10'6"	10'8"	10'6"	10'8"	10'6"	10'8"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	3663	3511	3587	3433	3654	3501
		ft/in	12'0"	11'6"	11'9"	11'3"	11'11"	11'5"
17†	Reach at Maximum Lift and 45° Discharge	mm	1276	1415	1336	1474	1283	1422
		ft/in	4'2"	4'7"	4'4"	4'10"	4'2"	4'7"
	Reach at Level Lift Arm and Bucket Level	mm	3116	3321	3215	3420	3128	3332
		ft/in	10'2"	10'10"	10'6"	11'2"	10'3"	10'11"
A†	Digging Depth	mm	61	31	61	31	61	31
		in	2.4"	1.2"	2.4"	1.2"	2.4"	1.2"
12†	Overall Length	mm	9125	9347	9225	9447	9137	9359
		ft/in	30'0"	30'8"	30'4"	31'0"	30'0"	30'9"
B†	Overall Height with Bucket at Maximum Lift	mm	6373	6373	6484	6484	6484	6484
		ft/in	20'11"	20'11"	21'4"	21'4"	21'4"	21'4"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7718	7812	7747	7842	7721	7815
		ft/in	25'4"	25'8"	25'5"	25'9"	25'4"	25'8"
	Static Tipping Load, Straight (With tire deflection)	kg	17 281	17 283	17 090	17 135	17 264	17 304
		lb	38,098	38,102	37,676	37,776	38,061	38,149
	Static Tipping Load, Straight (No tire deflection)	kg	18 401	18 387	18 215	18 258	18 393	18 431
		lb	40,556	40,525	40,146	40,241	40,539	40,622
	Static Tipping Load, Articulated (With tire deflection)	kg	15 682	15 680	15 497	15 532	15 662	15 693
		lb	34,573	34,569	34,164	34,243	34,529	34,597
	Static Tipping Load, Articulated (No tire deflection)	kg	16 817	16 798	16 636	16 669	16 806	16 833
		lb	37,065	37,024	36,667	36,739	37,041	37,101
	Breakout Force (§)	kN	173	184	160	169	172	182
		lbf	39,085	41,447	36,129	38,141	38,656	40,968
	Operating Weight*	kg	28 335	28 310	28 443	28 418	28 387	28 362
		lb	62,450	62,394	62,688	62,632	62,564	62,508

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

Operating Specifications – Buckets

Linkage		High Lift Linkage		
Bucket Type		Waste, Dozing – Pin-On	Waste, Load and Carry – Pin-On	Waste, Top Clamp – Pin-On
Edge Type		Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges
Capacity – Rated	m^3	6.50	7.40	5.00
	yd^3	8.50	9.75	6.50
Capacity – Rated at 110% Fill Factor	m^3	7.20	8.10	5.50
	yd^3	9.50	10.50	7.25
Width	mm	3357	3357	3357
	ft/in	11'0"	11'0"	11'0"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3509	3228	3015
	ft/in	11'6"	10'7"	9'10"
17† Reach at Maximum Lift and 45° Discharge	mm	1221	1501	1715
	ft/in	4'0"	4'11"	5'7"
Reach at Level Lift Arm and Bucket Level	mm	3206	3603	3905
	ft/in	10'6"	11'9"	12'9"
A† Digging Depth	mm	93	53	53
	in	3.6"	2.0"	2.0"
12† Overall Length	mm	9237	9634	9936
	ft/in	30'4"	31'8"	32'8"
B† Overall Height with Bucket at Maximum Lift	mm	7158	6935	6074
	ft/in	23'6"	22'10"	20'0"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7817	7937	8032
	ft/in	25'8"	26'1"	26'5"
Static Tipping Load, Straight (With tire deflection)	kg	17 196	15 798	13 948
	lb	37,911	34,828	30,750
Static Tipping Load, Straight (No tire deflection)	kg	18 524	16 982	14 948
	lb	40,827	37,428	32,947
Static Tipping Load, Articulated (With tire deflection)	kg	15 524	14 225	12 481
	lb	34,225	31,361	27,516
Static Tipping Load, Articulated (No tire deflection)	kg	16 863	15 423	13 499
	lb	37,166	33,993	29,752
Breakout Force (§)	kN	155	124	102
	lbf	35,038	28,070	22,995
Operating Weight*	kg	29 140	29 364	30 151
	lb	64,224	64,717	66,452

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 26.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1300 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

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

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

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

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

966 XE

Forestry Machine

The Cat® 966 XE Wheel Loader Forestry Package provides the additional performance, productivity, and safety that is demanded in the woods and the millyard.

Proven Reliability

- Cat C9.3B engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF), and Diesel Exhaust Fluid (DEF) tank and pump.
- Features an electric fuel priming pump, fuel-water separator, and secondary fuel filter.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Forestry package includes a lift arm with additional weld treatments for added durability.
- Heavy-duty axles are designed to handle extreme applications.

Superior Fuel Efficiency and Productivity

- Low fuel burn for exceptional efficiency.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Forestry package includes additional counterweight, a larger tilt cylinder, and increased tilt relief pressure 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 and 4th valve auxiliary hydraulics to control work tools requiring the additional function.

Safety Features

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

Reduced Maintenance Time and Costs

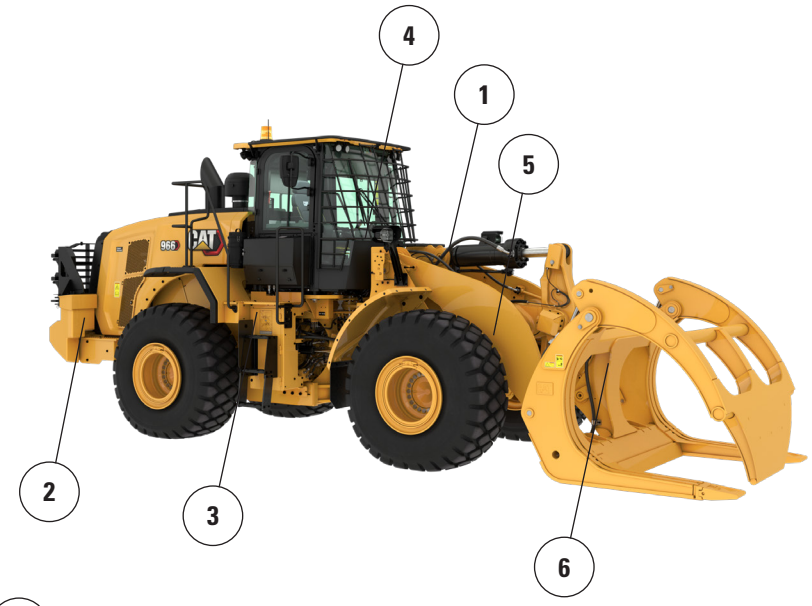
- Extended fluid and filter change intervals help to reduce maintenance costs.
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash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

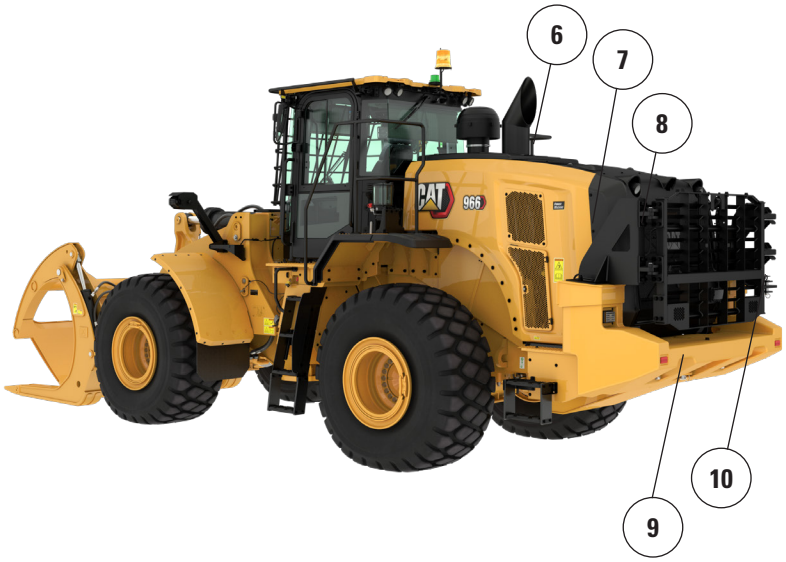
Work in Comfort in the All New Cab

- 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.

966 XE Forestry Machine Features

1. Larger tilt cylinder and relief valves for increased load control in fork applications
2. Heavier counterweight provides increased tipping loads in a millyard application
3. Optional window guarding to provide impact resistance to the glass
4. Optional 3rd and 4th function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
5. Wide range of millyard work tools





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

Tire Options

Tire Brand	BRIDGESTONE	BRIDGESTONE	BRIDGESTONE	MICHELIN	MICHELIN	MAXAM
Tire Size	**26.5R25**	**26.5R25**	**775/65R29**	**26.5R25**	**775/65R29**	**26.5R25**
Tread Type	**L3**	**L4**	**L3**	**L3**	**L3**	**L3**
Tread Pattern	**VJT**	**VSNT**	**VTS**	**XHA2**	**XHA2**	**MS302**
Casing Strength	*	*	*	**	*	**
Width over Tires – Maximum (empty)*	2978 mm 9'10"	2960 mm 9'9"	3046 mm 10'0"	2986 mm 9'10"	3019 mm 9'11"	2972 mm 9'9"
Width over Tires – Maximum (loaded)*	3012 mm 9'11"	2991 mm 9'10"	3070 mm 10'1"	3016 mm 9'11"	3049 mm 10'1"	2947 mm 9'9"
Change in Vertical Dimensions (average of front and rear)		26 mm 1.0"	11 mm 0.4"	-11 mm -0.4"	4 mm 0.1"	14 mm 0.5"
Change in Horizontal Reach		-21 mm -0.8"	-1 mm 0"	3 mm 0.1"	2 mm 0.1"	-7 mm -0.3"
Change in Clearance Circle to Outside of Tires		-21 mm -0.8"	58 mm 2.3"	5 mm 0.2"	38 mm 1.5"	-65 mm -2.6"
Change in Clearance Circle to Inside of Tires		21 mm 0.8"	-58 mm -2.3"	-5 mm -0.2"	-38 mm -1.5"	65 mm 2.6"
Change in Operating Weight (without Ballast)		460 kg 1,014 lb	692 lb 1,525 lb	-164 kg -362 lb	504 kg 1,110 lb	-16 kg -35 lb
Change in Static Tipping Load – Straight		334 kg 735 lb	501 kg 1,106 lb	-119 kg -262 lb	365 kg 805 lb	-12 kg -26 lb
Change in Static Tipping Load – Articulated		297 kg 654 lb	446 kg 984 lb	-106 kg -233 lb	325 kg 716 lb	-10 kg -23 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±8 degrees	±13 degrees	±8 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	502 mm 1'8"	502 mm 1'8"	310 mm 1'1"	502 mm 1'8"	310 mm 1'1"	502 mm 1'8"

*Width over tire bulge and includes tire growth.

Operating Specifications – Buckets

Linkage		Forestry Linkage	
Bucket Type		**Woodchip – Hook-On – Fusion**	**Woodchip – Pin-On**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	11.90	11.90
	yd^3	15.50	15.50
Capacity – Rated at 110% Fill Factor	m^3	13.10	13.10
	yd^3	17.25	17.25
Width	mm	3943	3943
	ft/in	12'11"	12'11"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2442	2442
	ft/in	8'0"	8'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1771	1732
	ft/in	5'9"	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3511	3483
	ft/in	11'6"	11'5"
A† Digging Depth	mm	106	134
	in	4.2"	5.3"
12† Overall Length	mm	9724	9719
	ft/in	31'11"	31'11"
B† Overall Height with Bucket at Maximum Lift	mm	6680	6689
	ft/in	21'11"	22'0"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8055	8026
	ft/in	26'6"	26'4"
Static Tipping Load, Straight (With tire deflection)	kg	18 714	18 935
	lb	41,245	41,732
Static Tipping Load, Straight (No tire deflection)	kg	20 361	20 529
	lb	44,876	45,245
Static Tipping Load, Articulated (With tire deflection)	kg	16 151	16 399
	lb	35,597	36,143
Static Tipping Load, Articulated (No tire deflection)	kg	17 817	18 014
	lb	39,269	39,703
Breakout Force (§)	kN	139	141
	lbf	31,266	31,780
Operating Weight*	kg	26 085	25 620
	lb	57,490	56,465

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 26.5R25 VJT L3 radial tires, full fluids, operator, axle oil cooler, logger counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), logger package, powertrain guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

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

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

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

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

966 XE Forestry Machine Specifications

Fork Specifications

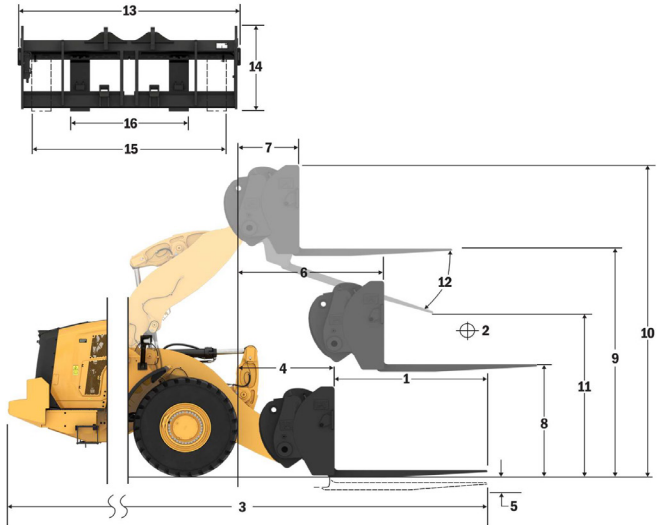
Fork Specifications

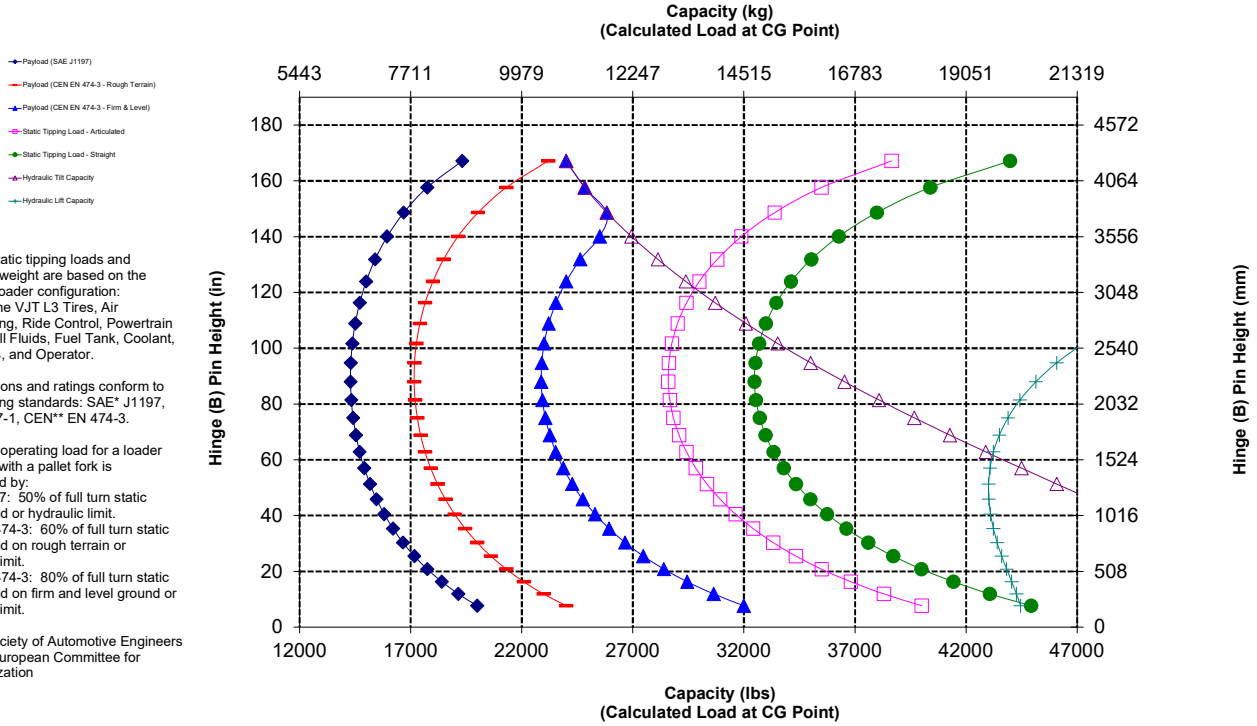
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14730 32464
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12970 28586
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6485 14293
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7782 17151
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10376 22868
3	Maximum Overall Length	mm in	9527 375.1
4	Reach with Forks at Ground Level	mm in	1126 44.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-166 -6.5
6	Reach with Arms Horizontal and Forks Level	mm in	1694 66.7
7	Reach with Fork at Maximum Height	mm in	826 32.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3949 155.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4724 186.0
11	Clearance at Full Lift and Max Dump	mm in	2652 104.4
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	6300 13885
	Operating Weight	kg lbs	23815 52488

*Negative values indicate below grade

966 LOG

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





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

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

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

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

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

Fork Specifications

Fork Specifications

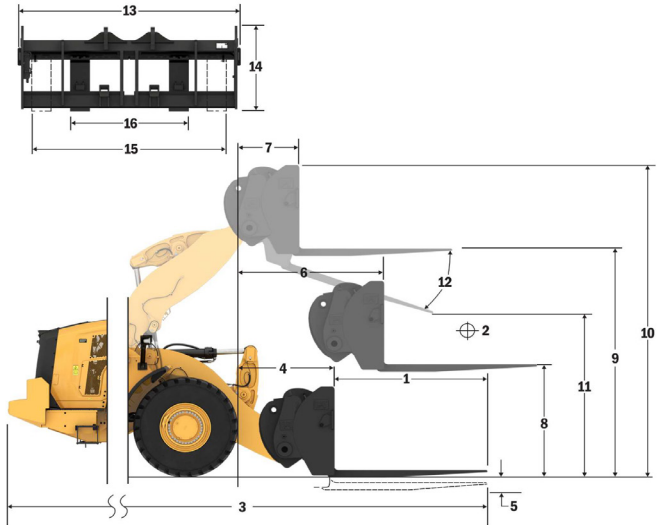
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14047 30960
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12364 27251
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6182 13625
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7418 16350
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9594 21146
3	Maximum Overall Length	mm in	9833 387.1
4	Reach with Forks at Ground Level	mm in	1126 44.3
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-166 -6.5
6	Reach with Arms Horizontal and Forks Level	mm in	1694 66.7
7	Reach with Fork at Maximum Height	mm in	826 32.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1866 73.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	3949 155.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	4724 186.0
11	Clearance at Full Lift and Max Dump	mm in	2444 96.2
12	Max Discharge Angle from Horizontal	deg	43
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	23862 52592

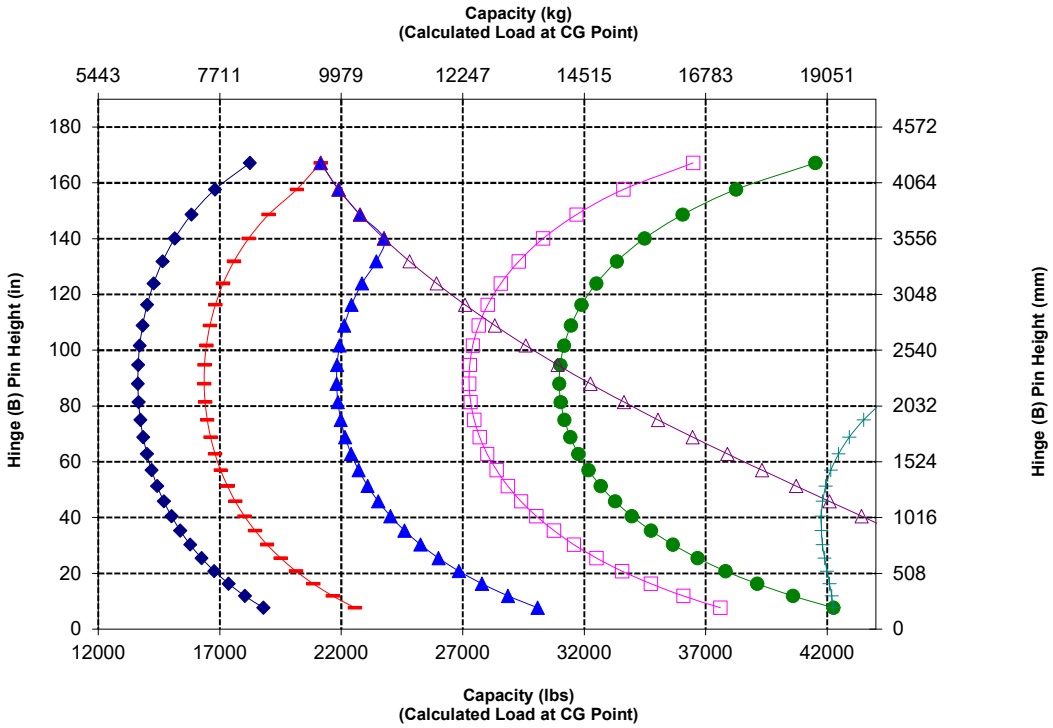
*Negative values indicate below grade

966 LOG

Construction Fork, FUSION

87" Carriage	72" Tine
530-1861	530-1869





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

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

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

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

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

966 XE Forestry Machine Specifications

Fork Specifications

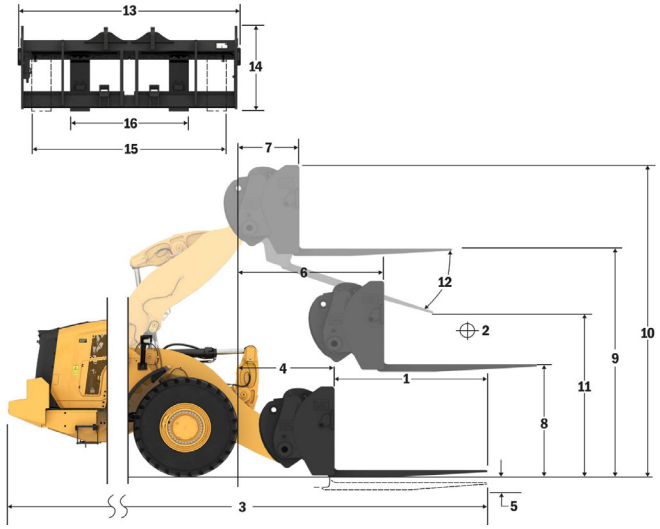
Fork Specifications

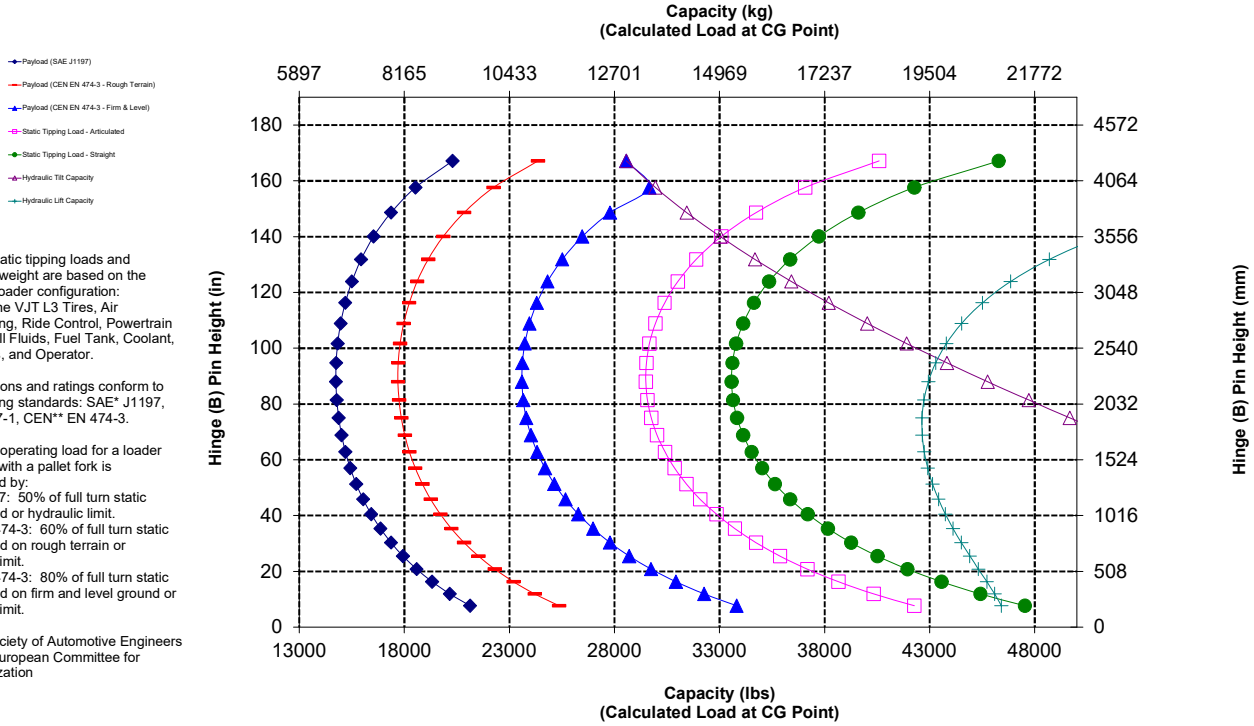
1	Tine Length	mm in	1219 48.0
2	Load Center	mm in	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15225 33555
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13376 29481
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6688 14741
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8026 17689
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10701 23585
3	Maximum Overall Length	mm in	9173 361.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.3
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2820 111.0
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	22200 48929
	Operating Weight	kg lbs	24124 53170

*Negative values indicate below grade

966 LOG

Construction Fork, FUSION	96" Carriage	48" Tine
	520-7957	520-7985





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

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

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

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**CEN - European Committee for Standardization

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

Fork Specifications

Fork Specifications

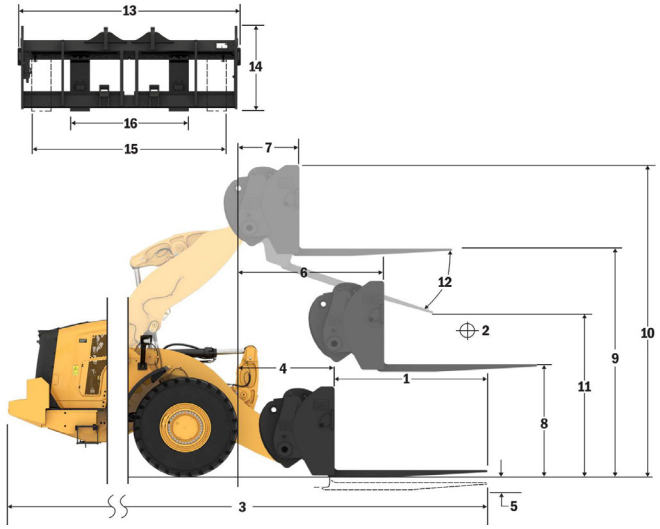
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14474 31901
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12709 28011
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6355 14005
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7625 16806
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10167 22409
3	Maximum Overall Length	mm in	9478 373.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2589 101.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17800 39231
	Operating Weight	kg lbs	24190 53315

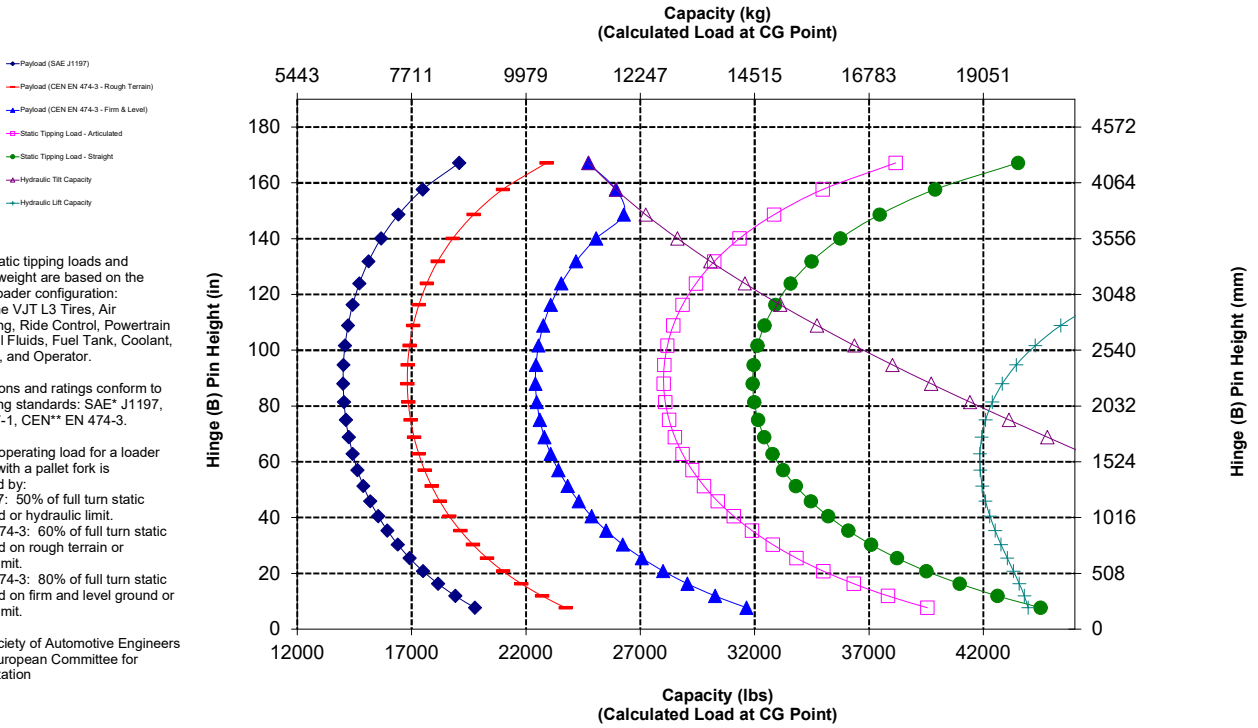
*Negative values indicate below grade

966 LOG

Construction Fork, FUSION

96" Carriage	60" Tine
520-7957	520-7980





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

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

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

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**CEN - European Committee for Standardization

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

966 XE Forestry Machine Specifications

Fork Specifications

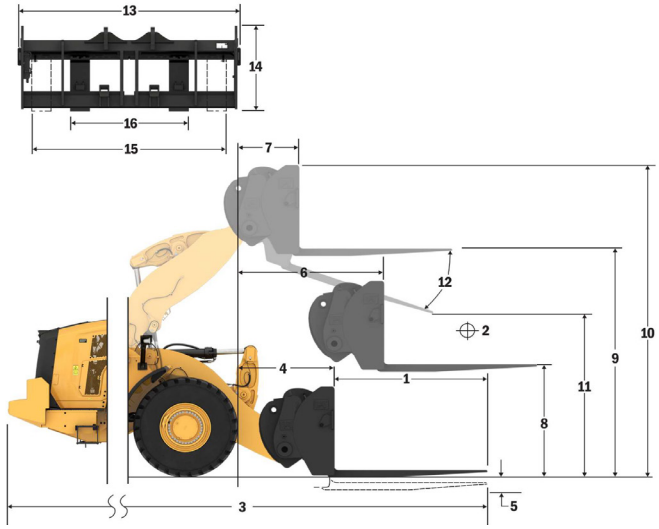
Fork Specifications

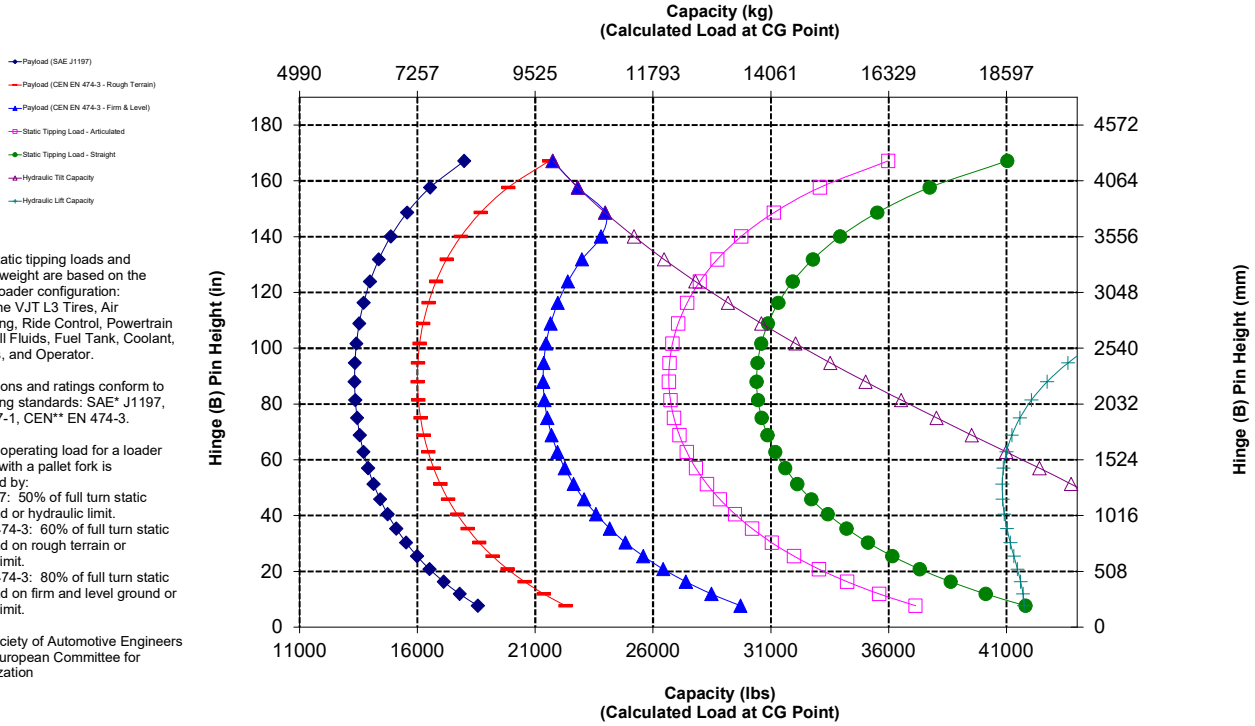
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13786 30384
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12097 26662
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6049 13331
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7258 15997
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9678 21330
3	Maximum Overall Length	mm in	9783 385.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	24251 53449

*Negative values indicate below grade

966 LOG

Construction Fork, FUSION	96" Carriage	72" Tine
	520-7957	520-7979





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

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

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

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

Fork Specifications

Fork Specifications

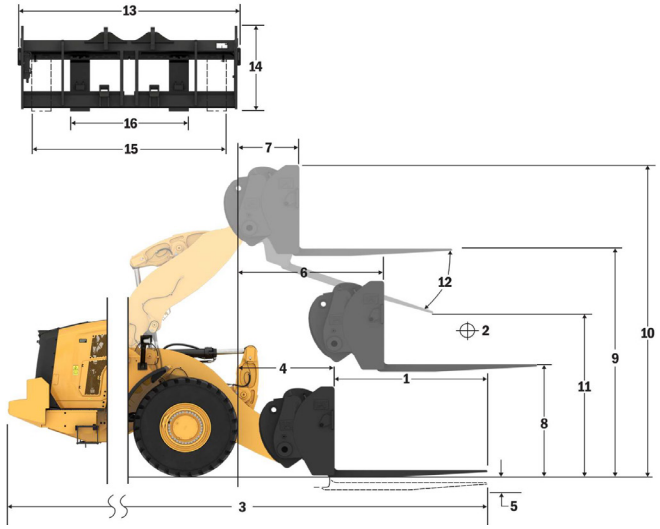
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13147 28976
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11529 25410
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5764 12705
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6917 15246
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8773 19337
3	Maximum Overall Length	mm in	10088 397.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2128 83.8
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	24314 53588

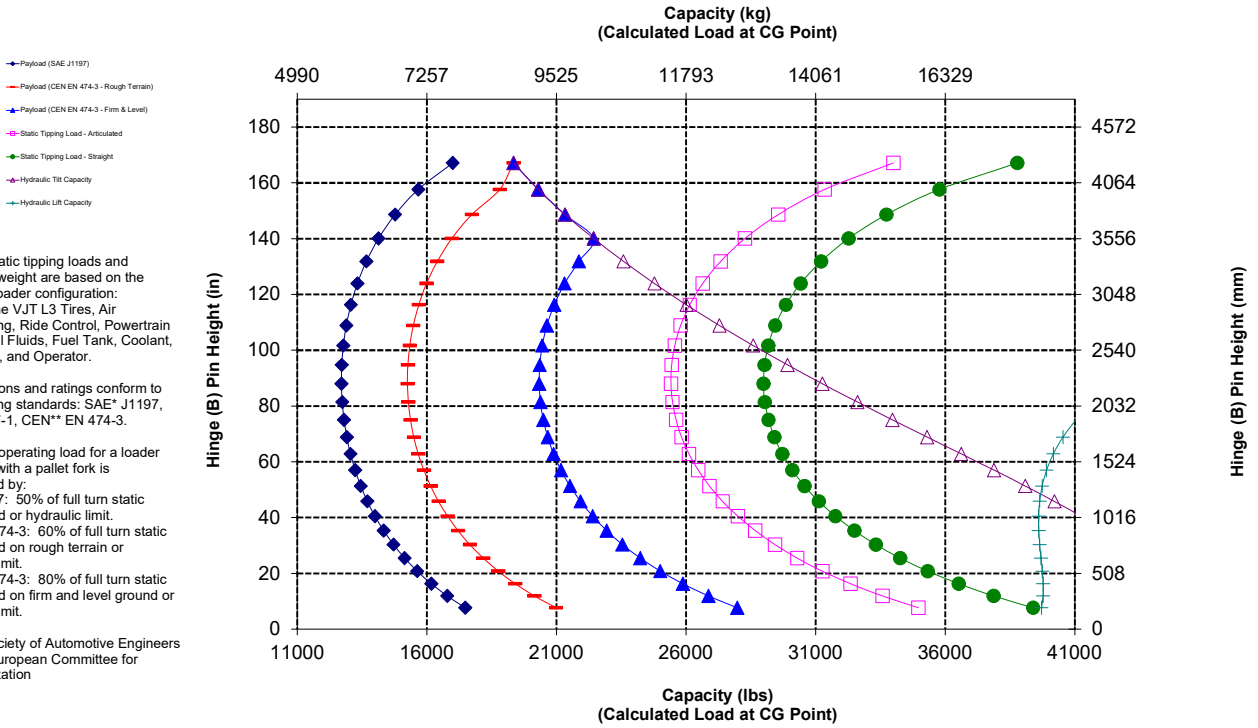
*Negative values indicate below grade

966 LOG

Construction Fork, FUSION

96" Carriage	84" Tine
520-7957	520-7986





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

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

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

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**CEN - European Committee for Standardization

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

966 XE Forestry Machine Specifications

Fork Specifications

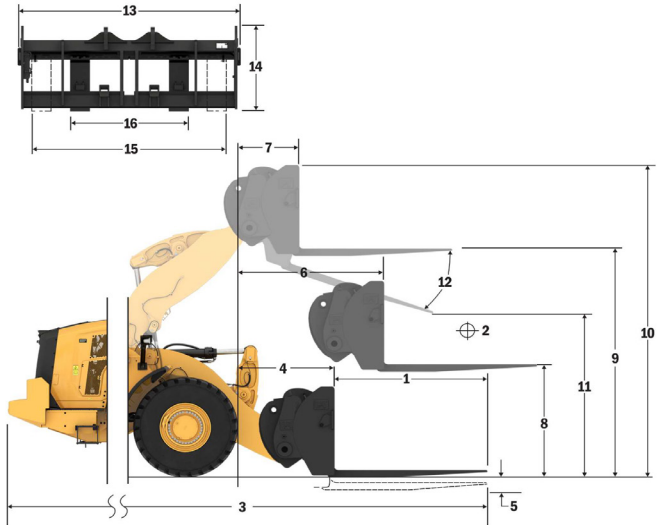
Fork Specifications

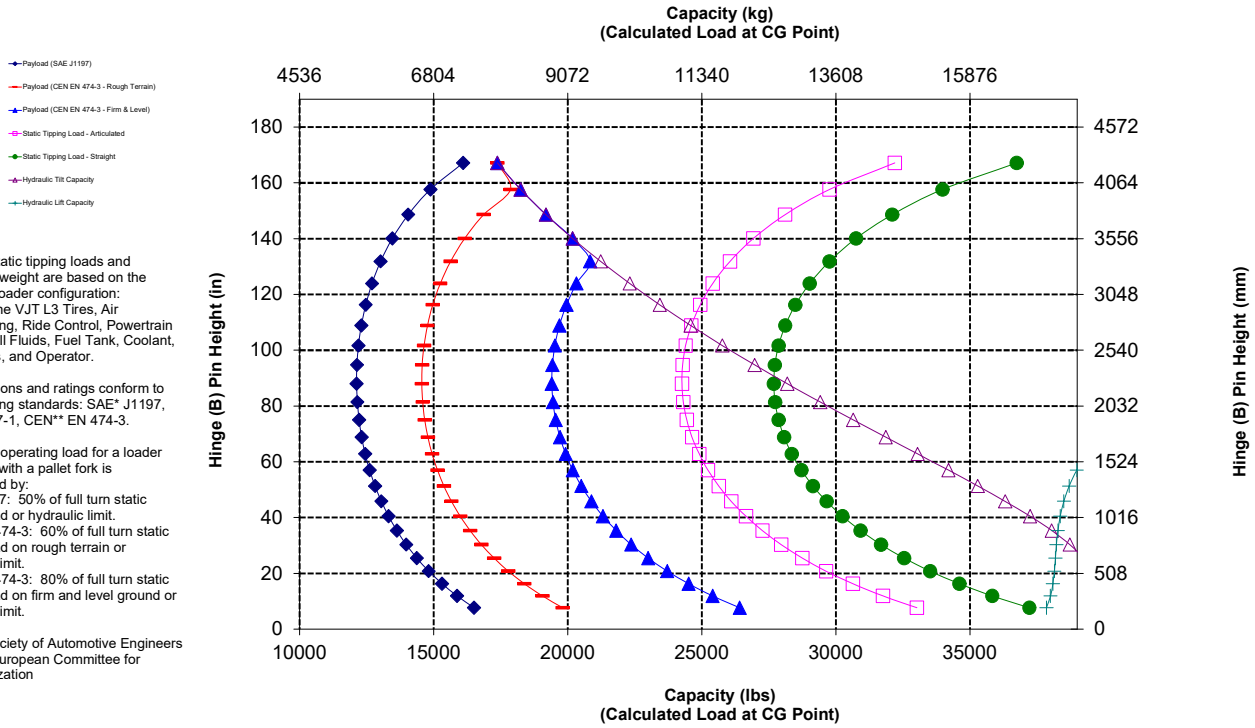
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12557 27677
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11004 24252
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5502 12126
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6602 14551
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7882 17371
3	Maximum Overall Length	mm in	10392 409.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	1899 74.7
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2528 99.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2178 85.7
16	Outside Tine Width (min spread)	mm in	576 22.7
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	24376 53725

*Negative values indicate below grade

966 LOG

Construction Fork, FUSION	96" Carriage	96" Tine
	520-7957	520-7981





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

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

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

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

Fork Specifications

Fork Specifications

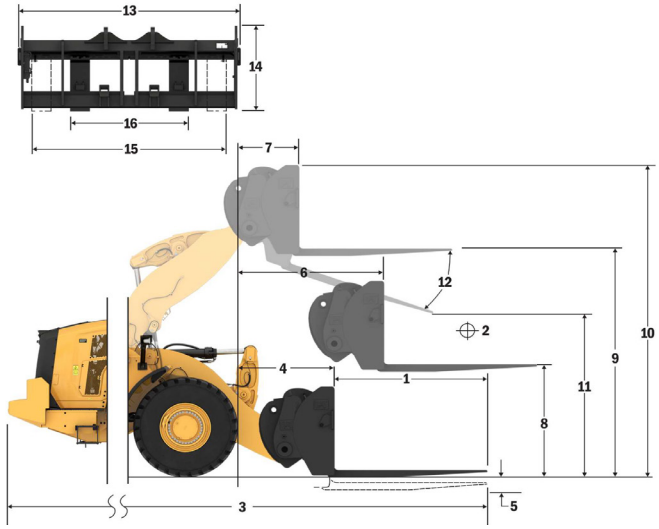
1	Tine Length	mm in	1219 48.0
2	Load Center	mm in	610 24.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15184 33466
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13336 29392
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6668 14696
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8001 17635
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10669 23513
3	Maximum Overall Length	mm in	9173 361.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.3
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2820 111.0
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2493 98.1
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	22200 48929
	Operating Weight	kg lbs	24177 53286

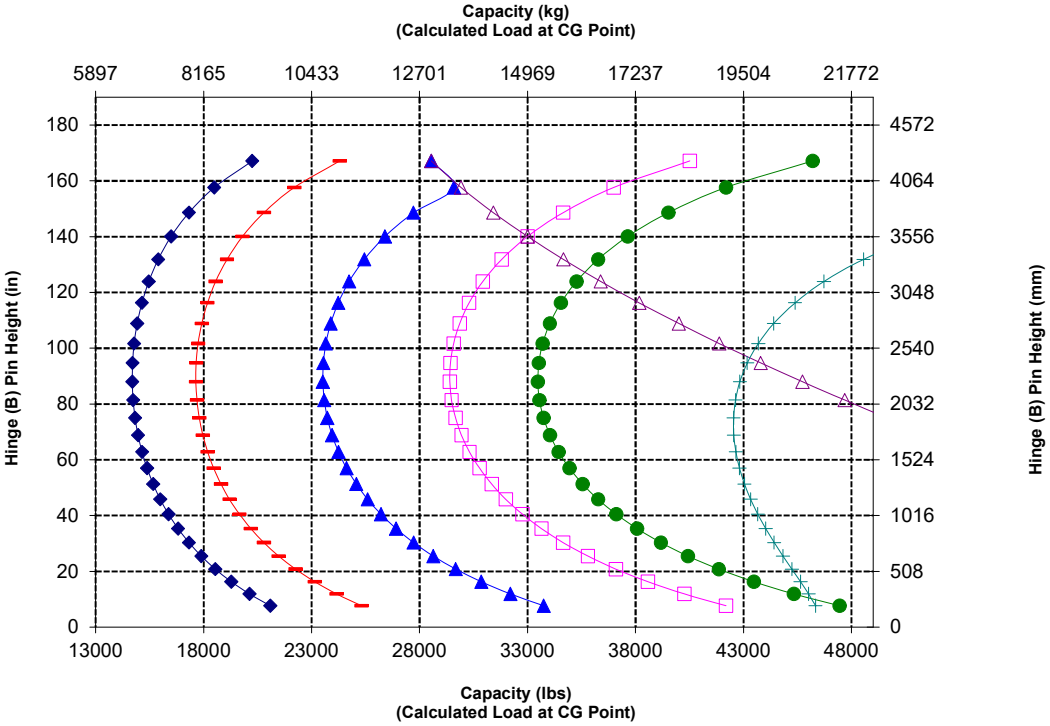
*Negative values indicate below grade

966 LOG

Construction Fork, FUSION

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





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

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

The rated operating load for a loader equipped with a pallet fork is determined by:
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WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 XE Forestry Machine Specifications

Fork Specifications

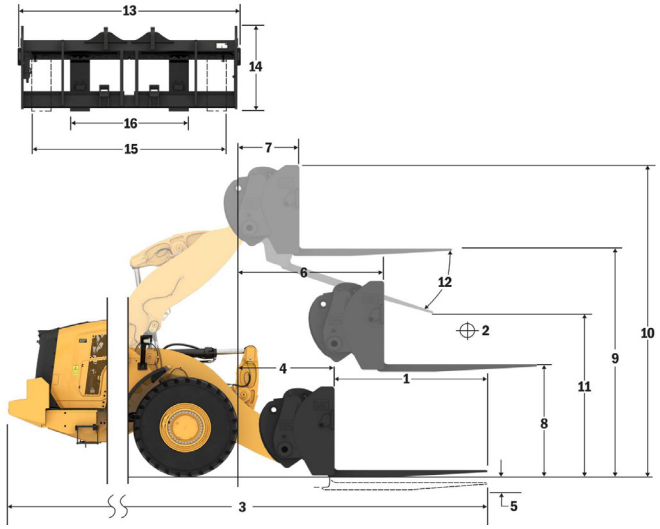
Fork Specifications

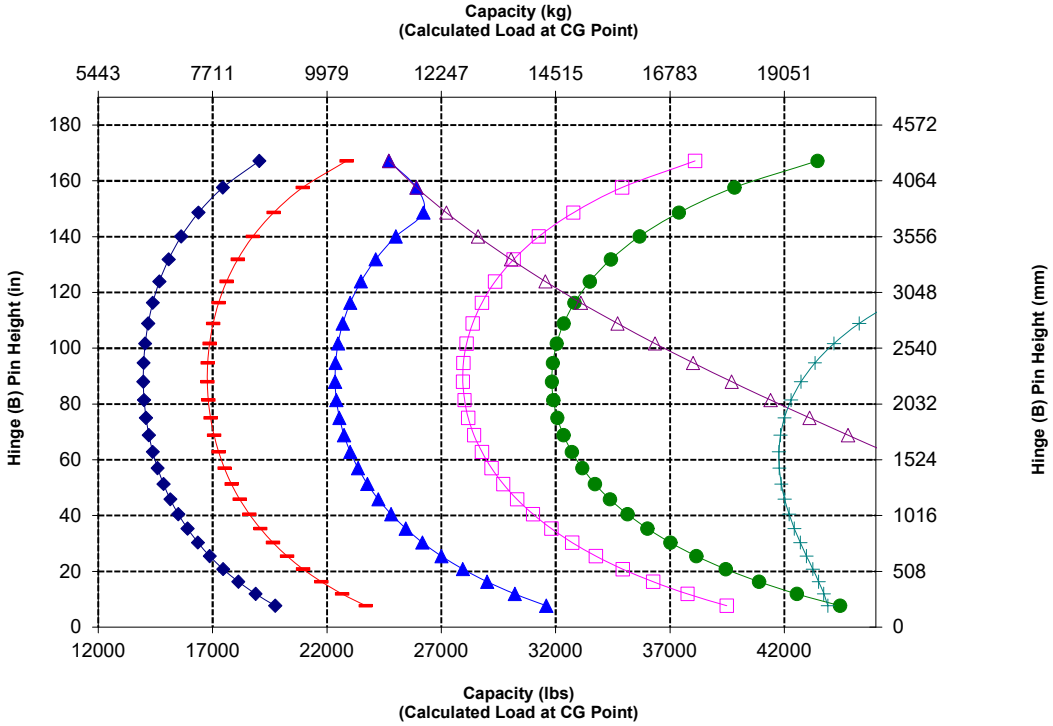
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14439 31824
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12674 27933
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6337 13967
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7604 16760
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10139 22347
3	Maximum Overall Length	mm in	9478 373.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2589 101.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17800 39231
	Operating Weight	kg lbs	24239 53423

*Negative values indicate below grade

966 LOG

Construction Fork, FUSION	108" Carriage	60" Tine
	520-7968	520-7980





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

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

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

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

Fork Specifications

Fork Specifications

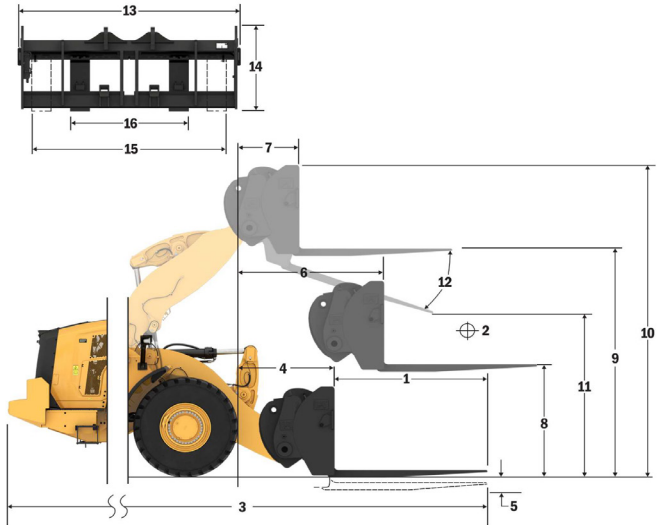
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13751 30307
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12062 26585
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6031 13293
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7237 15951
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9650 21268
3	Maximum Overall Length	mm in	9783 385.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	24301 53560

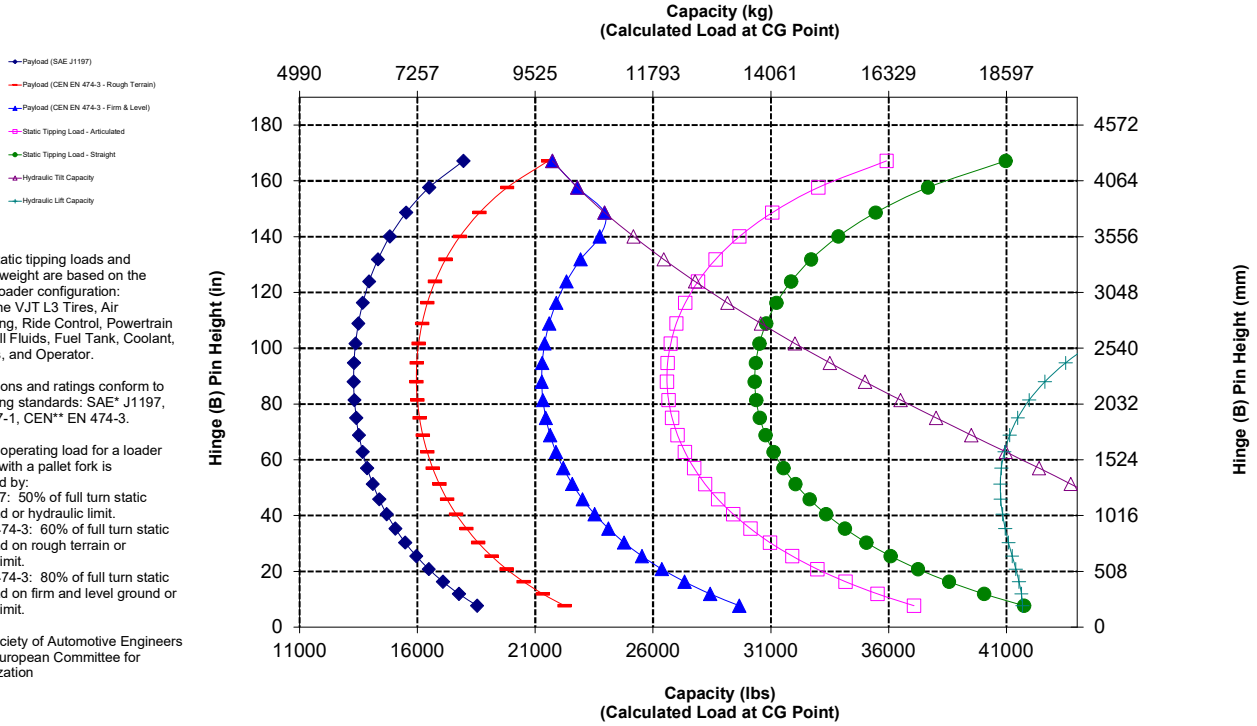
*Negative values indicate below grade

966 LOG

Construction Fork, FUSION

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





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

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

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

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

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

966 XE Forestry Machine Specifications

Fork Specifications

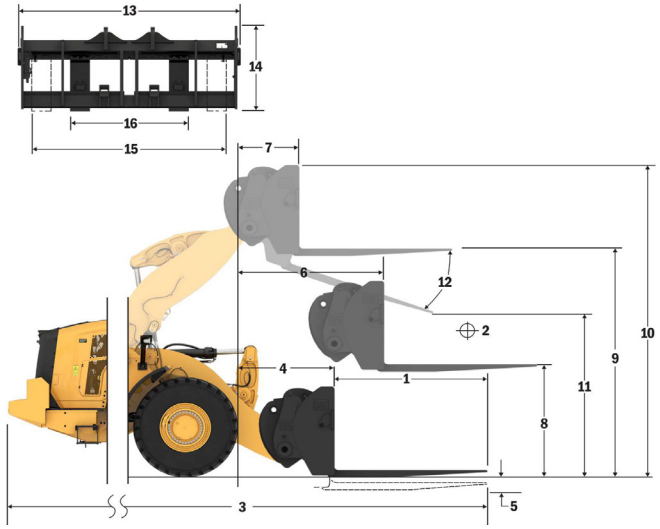
Fork Specifications

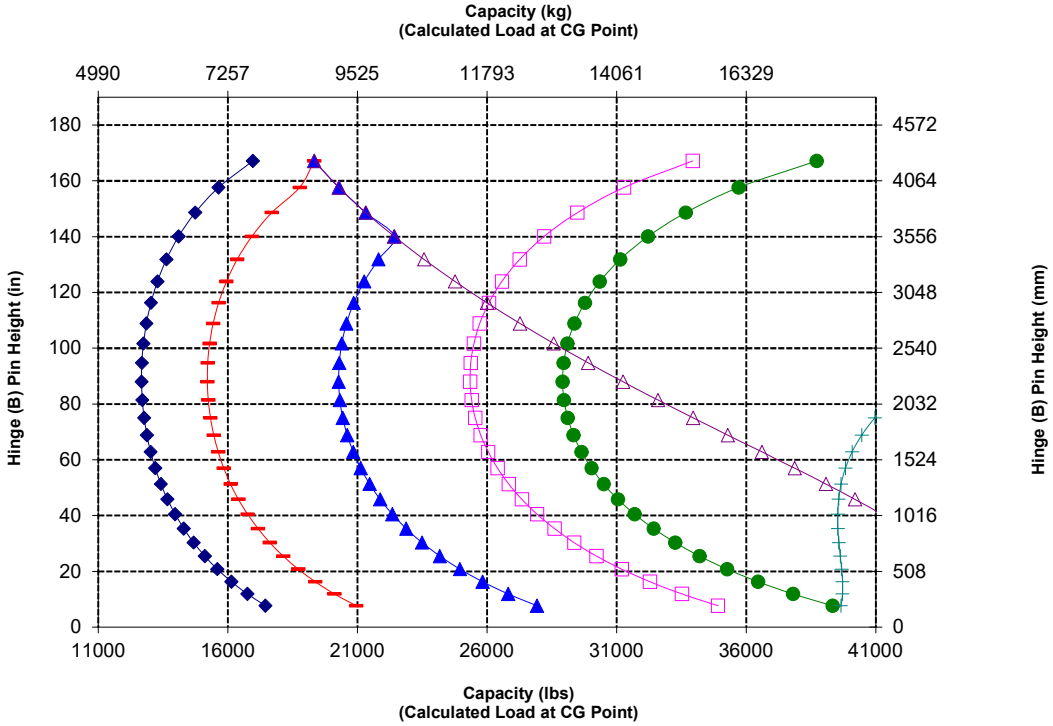
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13115 28905
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11497 25338
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5748 12669
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6898 15203
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8767 19322
3	Maximum Overall Length	mm in	10088 397.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	2128 83.8
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	24363 53696

*Negative values indicate below grade

966 LOG

Construction Fork, FUSION	108" Carriage	84" Tine
	520-7968	520-7986





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

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

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

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

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

Fork Specifications

Fork Specifications

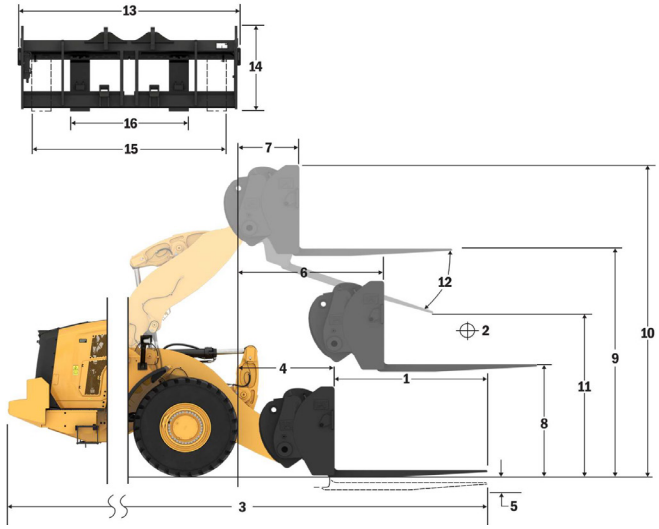
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12526 27606
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10972 24182
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5486 12091
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6583 14509
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7875 17357
3	Maximum Overall Length	mm in	10392 409.1
4	Reach with Forks at Ground Level	mm in	1077 42.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-87 -3.4
6	Reach with Arms Horizontal and Forks Level	mm in	1685 66.4
7	Reach with Fork at Maximum Height	mm in	818 32.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1970 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4053 159.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5093 200.5
11	Clearance at Full Lift and Max Dump	mm in	1899 74.7
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	24426 53835

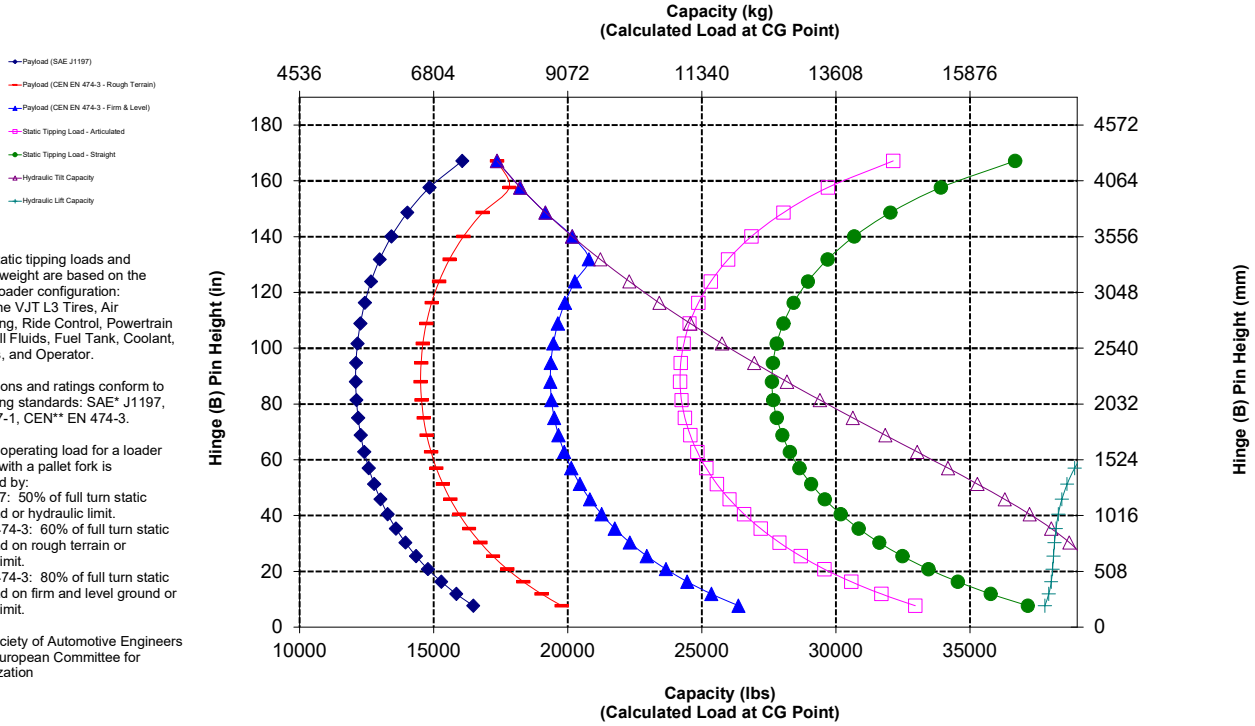
*Negative values indicate below grade

966 LOG

Construction Fork, FUSION

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





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

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

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

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

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

966 XE Forestry Machine Specifications

Fork Specifications

Fork Specifications

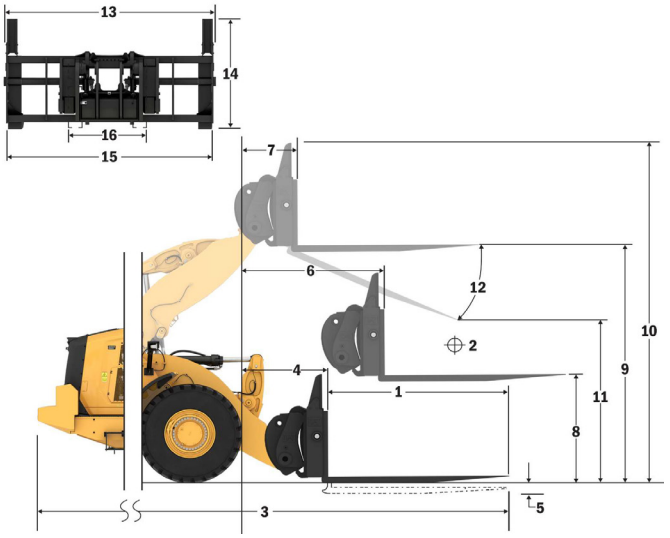
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13665 30118
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11994 26435
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5997 13217
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7196 15861
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9443 20812
3	Maximum Overall Length	mm in	9826 386.8
4	Reach with Forks at Ground Level	mm in	1120 44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1728 68.0
7	Reach with Fork at Maximum Height	mm in	860 33.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1968 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4052 159.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5565 219.1
11	Clearance at Full Lift and Max Dump	mm in	2377 93.6
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2470 97.3
14	Overall Carriage Height	mm in	1603 63.1
15	Outside Tine Width (max spread)	mm in	2366 93.1
16	Outside Tine Width (min spread)	mm in	1002 39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12600 27770
	Operating Weight	kg lbs	24202 53341

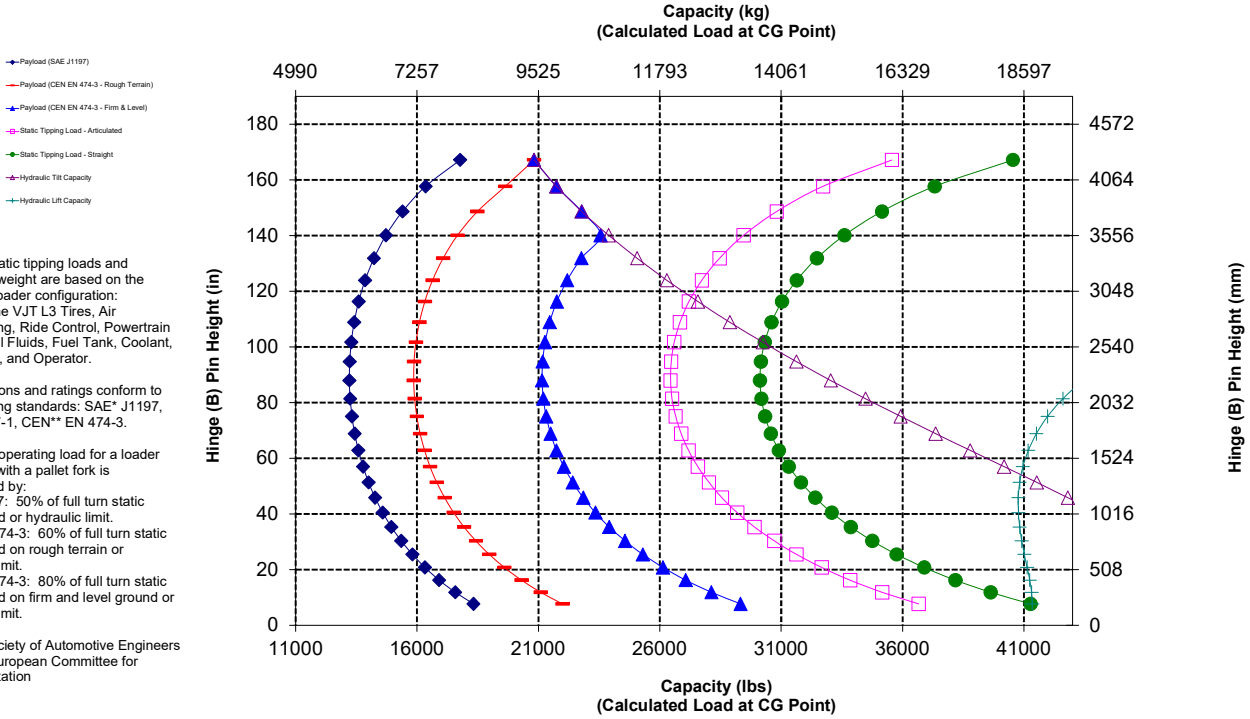
*Negative values indicate below grade

966 LOG

Log & Lumber No Clamp, FUSION

72" Tine
379-2199





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

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

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

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

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

Fork Specifications

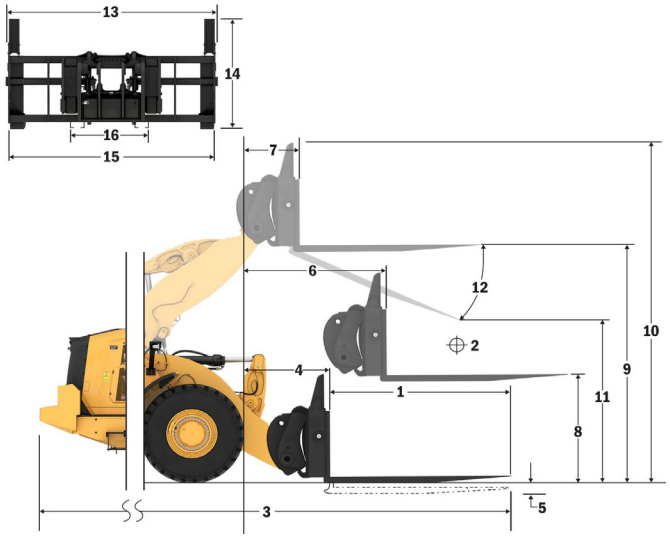
Fork Specifications

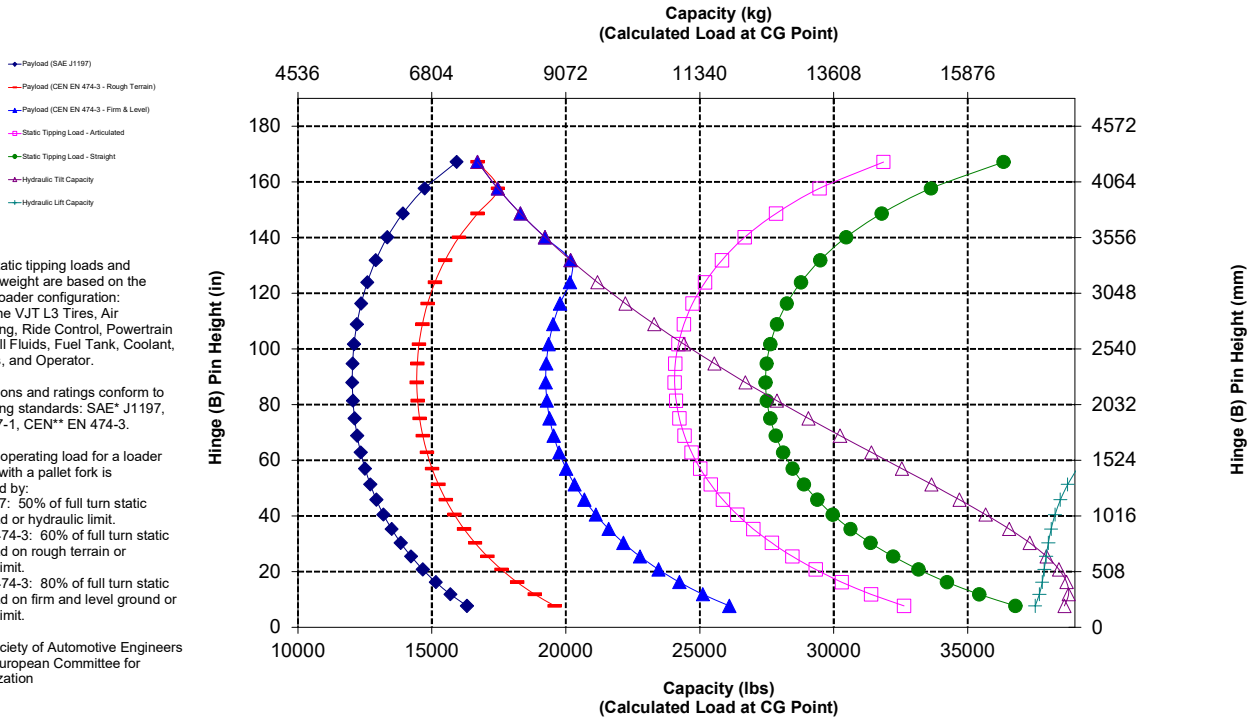
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12453 27445
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10914 24055
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5457 12027
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6548 14433
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7575 16695
3	Maximum Overall Length	mm in	10435 410.8
4	Reach with Forks at Ground Level	mm in	1121 44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1728 68.0
7	Reach with Fork at Maximum Height	mm in	861 33.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1968 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4052 159.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5565 219.1
11	Clearance at Full Lift and Max Dump	mm in	1932 76.1
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2470 97.3
14	Overall Carriage Height	mm in	1603 63.1
15	Outside Tine Width (max spread)	mm in	2366 93.1
16	Outside Tine Width (min spread)	mm in	1002 39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	10100 22260
	Operating Weight	kg lbs	24330 53624

*Negative values indicate below grade

966 LOG

Log & Lumber No Clamp, FUSION — **96" Tine 379-2321**





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

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

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

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

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

Fork Specifications

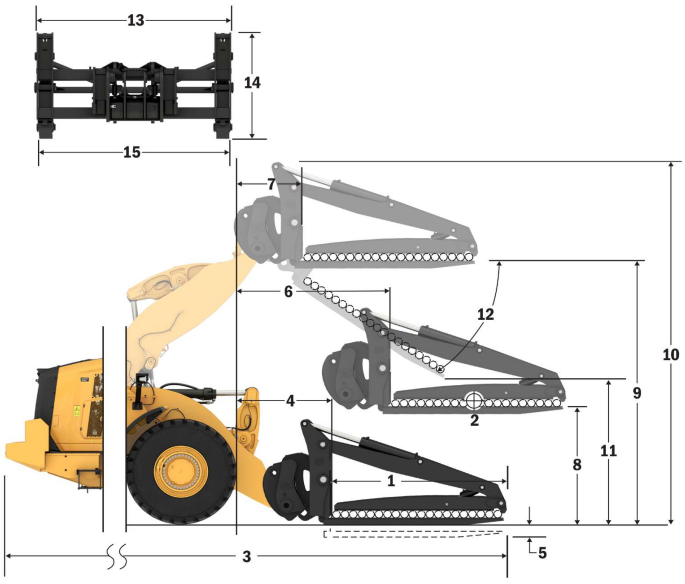
Fork Specifications

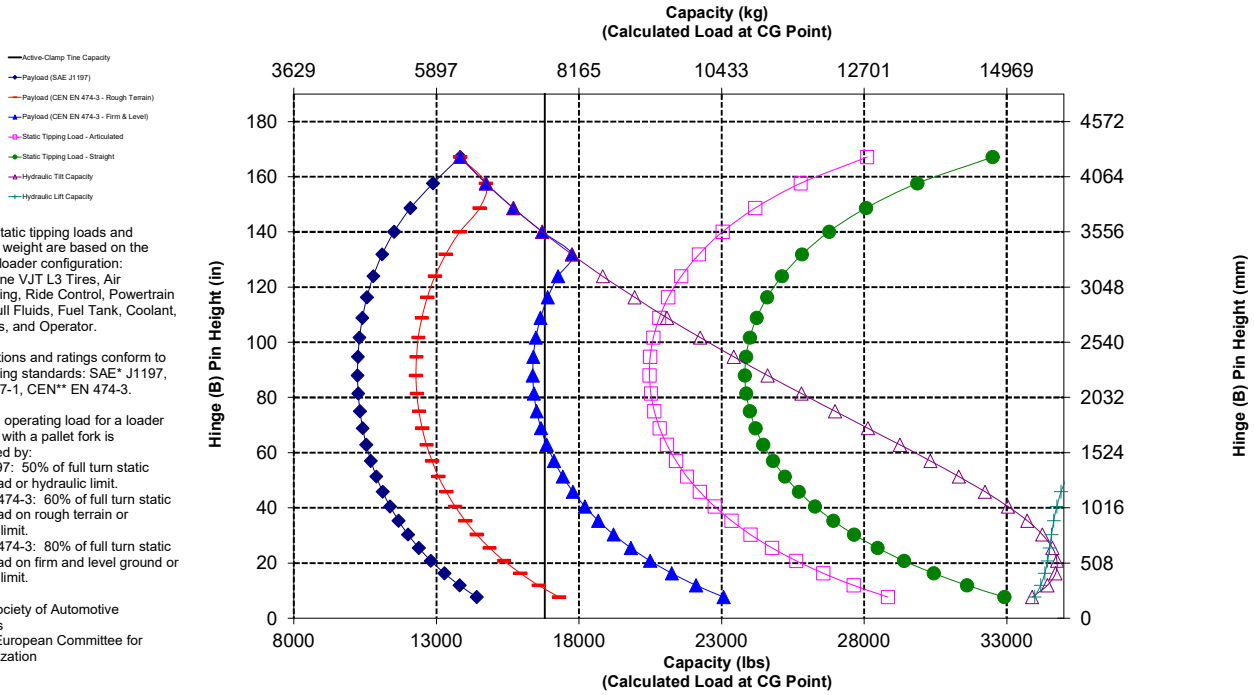
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	10803 23810
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9285 20465
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4643 10232
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5571 12279
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6276 13833
3	Maximum Overall Length	mm in	10479 412.6
4	Reach with Forks at Ground Level	mm in	1164 45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-64 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1790 70.5
7	Reach with Fork at Maximum Height	mm in	923 36.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1993 78.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4076 160.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5539 218.1
11	Clearance at Full Lift and Max Dump	mm in	1774 69.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	3131 123.3
14	Overall Carriage Height	mm in	1553 61.1
15	Outside Tine Width (max spread)	mm in	2991 117.8
16	Outside Tine Width (min spread)	mm in	2991 117.8
	Tine Width (single tine)	mm in	200.0 7.9
	Tine Thickness	mm in	90.0 3.5
	Operating Weight	kg lbs	25869 57015
	Active-Clamp Tine Lift Capacity	kg lbs	7621 16796
	Tine Capacity	kg lbs	12701 27993

*Negative values indicate below grade

966 LOG

Pipe & Pole 3" Row, FUSION — **96" Tine** **365-1318**





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

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

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

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

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

WARNING: When clamp is continuously supplied with 15513 kPa (2250 psi), tine rating is 7621 kg (16796 lbs.) at 1219 mm (48") load center per pair.

Fork Specifications

Fork Specifications

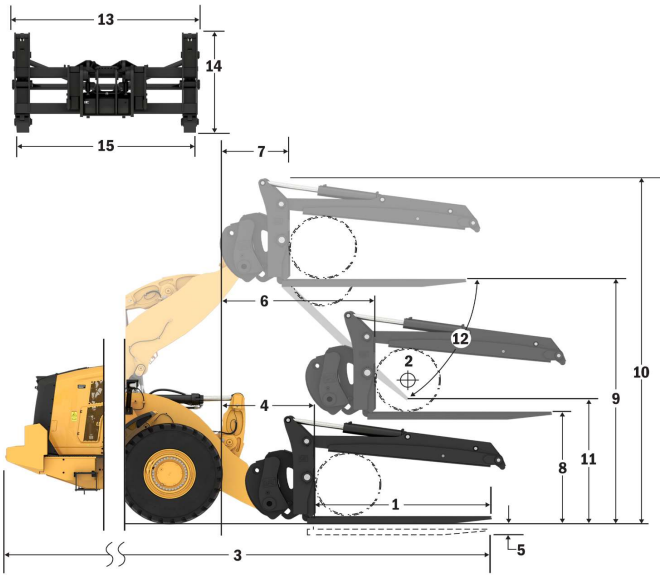
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13277 29262
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11401 25128
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5701 12564
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6841 15077
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9121 20103
3	Maximum Overall Length	mm in	10479 412.6
4	Reach with Forks at Ground Level	mm in	1164 45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-64 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1790 70.5
7	Reach with Fork at Maximum Height	mm in	923 36.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1993 78.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4076 160.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5539 218.1
11	Clearance at Full Lift and Max Dump	mm in	1774 69.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	3131 123.3
14	Overall Carriage Height	mm in	1553 61.1
15	Outside Tine Width (max spread)	mm in	2991 117.8
16	Outside Tine Width (min spread)	mm in	2991 117.8
	Tine Width (single tine)	mm in	200.0 7.9
	Tine Thickness	mm in	90.0 3.5
	Operating Weight	kg lbs	25869 57015
	Active-Clamp Tine Lift Capacity	kg lbs	7621 16796
	Tine Capacity	kg lbs	12701 27993

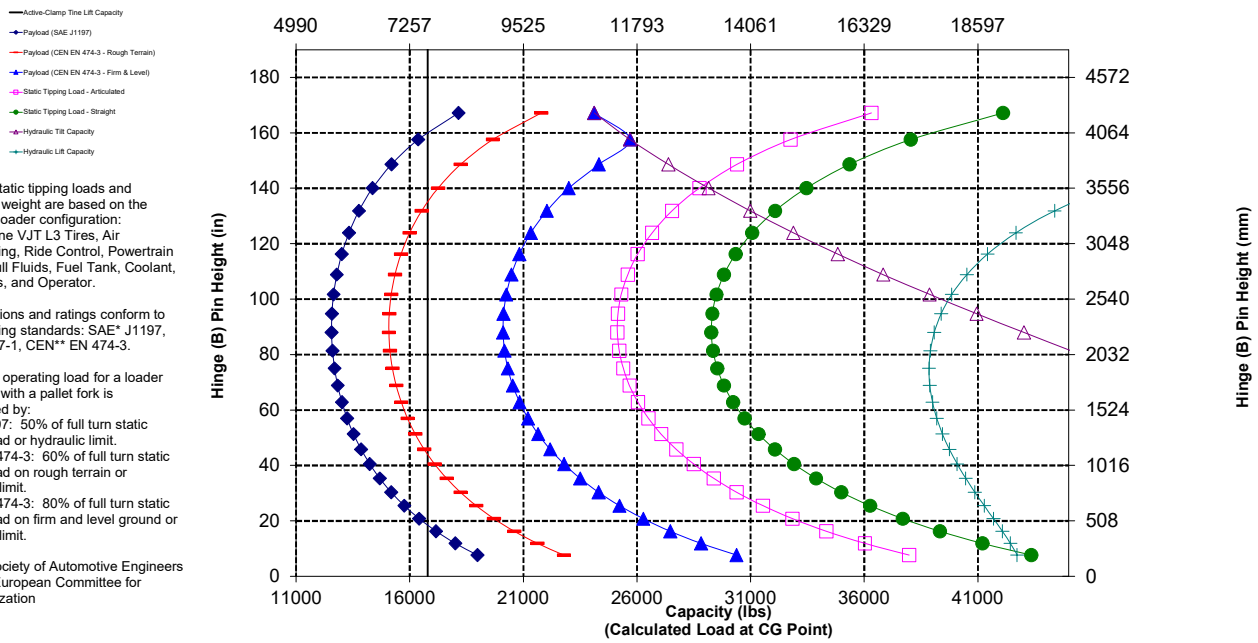
*Negative values indicate below grade

966 LOG

Pipe & Pole 30" Row, FUSION

96" Tine
365-1318





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

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

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

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

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

WARNING: When clamp is continuously supplied with 15513 kPa (2250 psi), tine rating is 7621 kg (16796 lbs.) at 1219 mm (48") load center per pair.

Fork Specifications

Fork Specifications

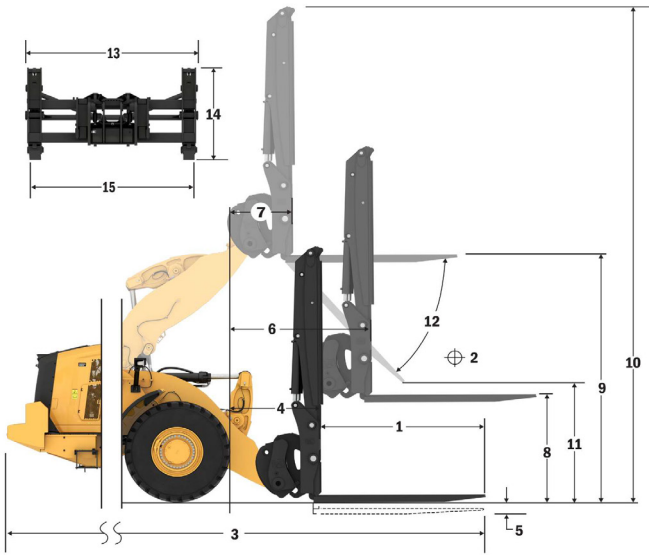
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11165 24608
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9653 21275
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4826 10637
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5792 12765
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7055 15549
3	Maximum Overall Length	mm in	10479 412.6
4	Reach with Forks at Ground Level	mm in	1164 45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-64 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1790 70.5
7	Reach with Fork at Maximum Height	mm in	923 36.3
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1993 78.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4076 160.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	7074 278.5
11	Clearance at Full Lift and Max Dump	mm in	1774 69.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	3131 123.3
14	Overall Carriage Height	mm in	3088 121.6
15	Outside Tine Width (max spread)	mm in	2991 117.8
16	Outside Tine Width (min spread)	mm in	2991 117.8
	Tine Width (single tine)	mm in	200.0 7.9
	Tine Thickness	mm in	90.0 3.5
	Operating Weight	kg lbs	25869 57015
	Tine Capacity	kg lbs	12700 27991

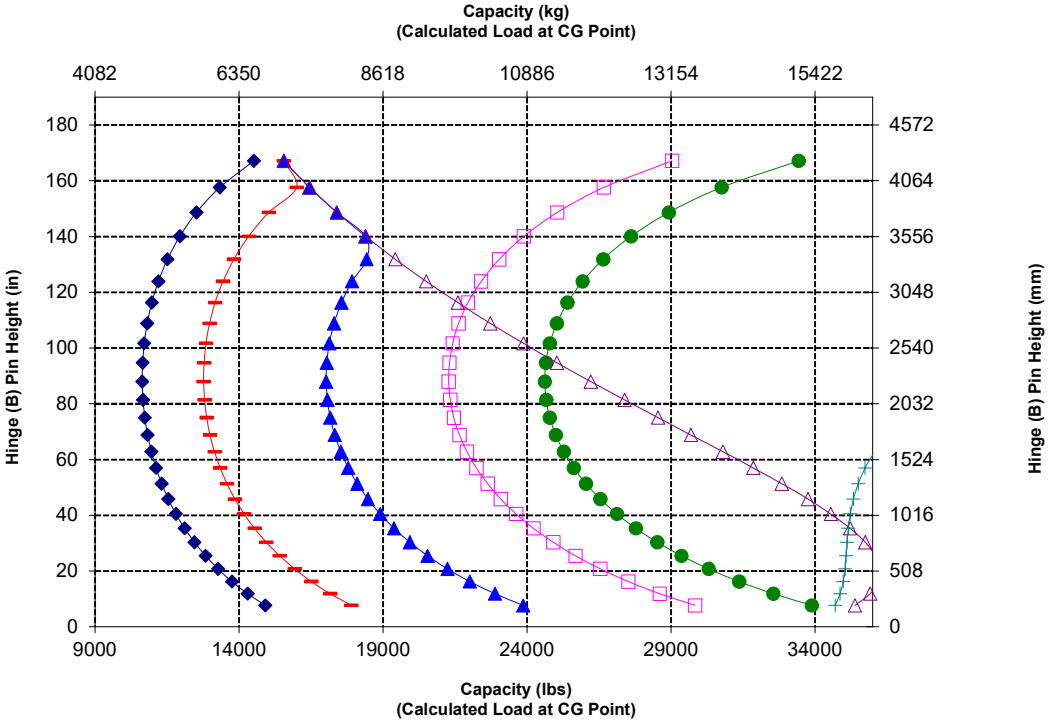
*Negative values indicate below grade

966 LOG

Pipe & Pole Open Clamp, FUSION

96" Tine
365-1318





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

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

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

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

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

Fork Specifications

Fork Specifications

1	Tine length	mm in	1609 63.3
2	Fork width	mm in	2324 91.5
	End area	m2 ft2	1.26 14
3	Inside Height (only applies to double top clamp)	mm in	0 0
4	Min. opening (only applies to millyard forks)	mm in	427 17
	Operating Weight	kg lbs	25632 56509
5	Distance inside of tine tips	mm in	1780 70
	Static tipping load, articulated Fork level	kg lbs	12603 27785.7
	Static tipping load, straight Fork level	kg lbs	14550 32077.8
6	Max. height of fork (w/clamp open if applicable)	mm in	2843 111.9
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2765 108.8
8	Clearance @ full lift fork level	mm in	3987 157.0
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1511 59.5
10	Reach w/lift arm horizontal and fork level	mm in	3099 122.0
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-63 -2.5
12	Width over tines	mm in	2286 90.0
13	Reach @ ground level	mm in	2398 94
14	Max. opening across tine and clamp	mm in	2709 106.7
15	Overall height of fork @ full lift and clamp open	mm in	6830 268.9
16	Overall length Tip of tine to rear of machine	mm in	9275 365.2
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2526 99.5
18	Clearance w/horizontal lift arms and fork level	mm in	1903.2 74.9
19	Reach @ full lift and fork level	mm in	2231.4 87.8
20	Max. discharge angle from horizontal	deg rad	60 1.0

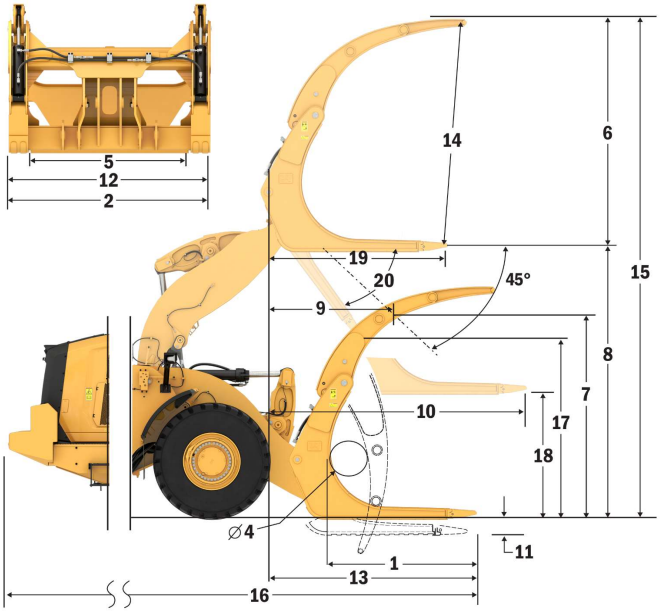
*Negative values indicate below grade

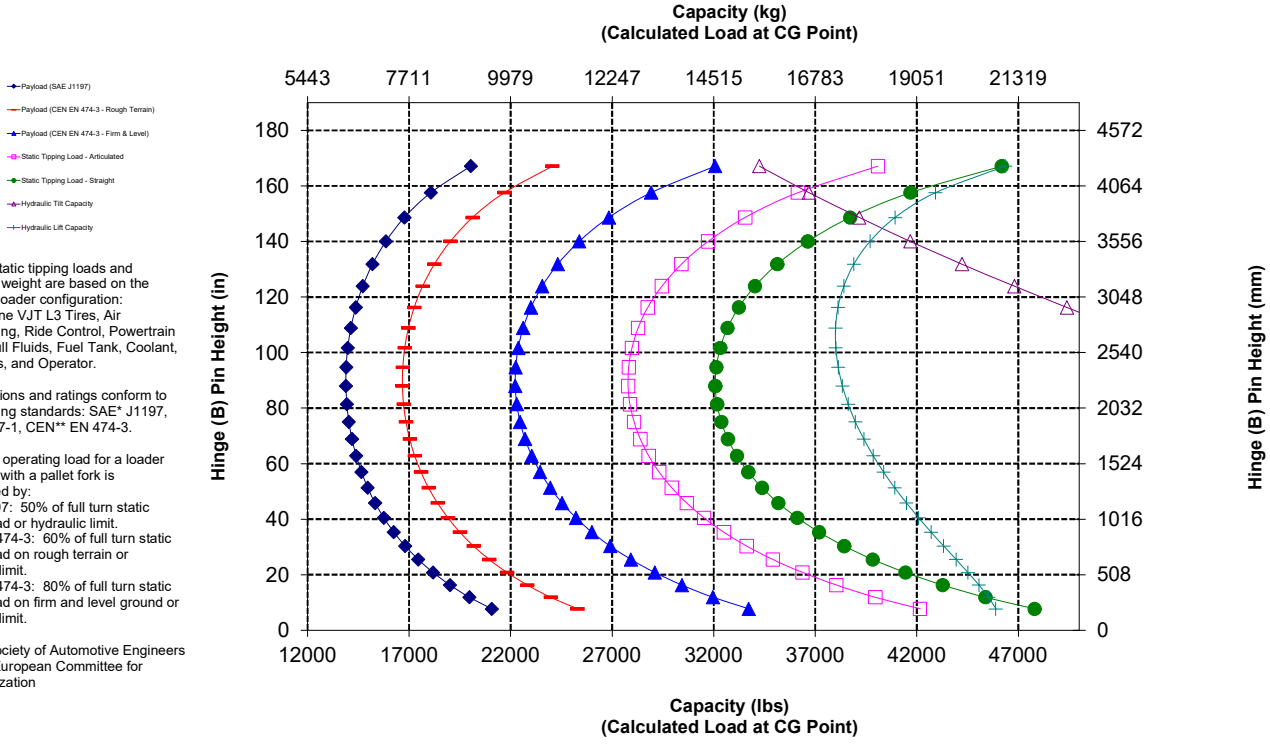
966 LOG

Millyard Fork, FUSION

63" Tine

383-3523





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

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

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

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

966 XE Forestry Machine Specifications

Fork Specifications

Fork Specifications

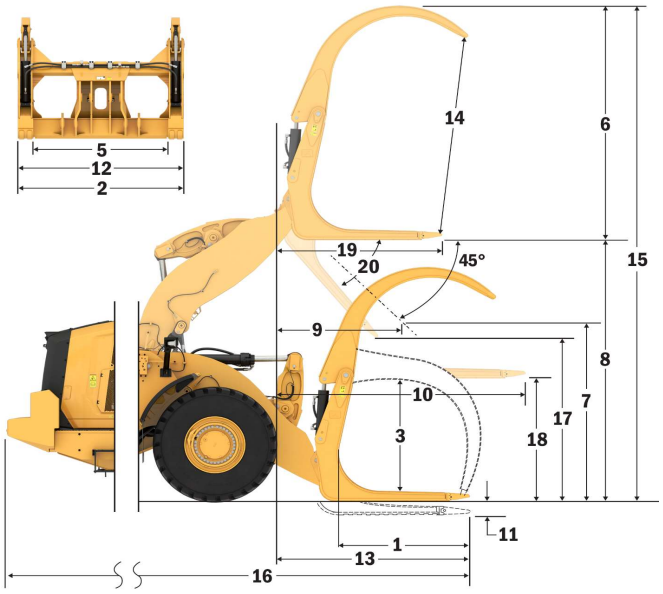
1	Tine length	mm in	1609 63.4
2	Fork width	mm in	2498 98.3
	End area	m2 ft2	1.91 21
3	Inside Height (only applies to double top clamp)	mm in	1376 54
4	Min. opening (only applies to millyard forks)	mm in	N/A N/A
	Operating Weight	kg lbs	24875 54840
5	Distance inside of tine tips	mm in	1892 74
	Static tipping load, articulated Fork level	kg lbs	13196 29092.2
	Static tipping load, straight Fork level	kg lbs	15125 33343.8
6	Max. height of fork (w/clamp open if applicable)	mm in	2943 115.9
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2859 112.5
8	Clearance @ full lift fork level	mm in	3981 156.7
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1409 55.5
10	Reach w/lift arm horizontal and fork level	mm in	2960 116.5
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-69 -2.7
12	Width over tines	mm in	2414 95.0
13	Reach @ ground level	mm in	2264 89
14	Max. opening across tine and clamp	mm in	2542 100.1
15	Overall height of fork @ full lift and clamp open	mm in	6925 272.6
16	Overall length Tip of tine to rear of machine	mm in	9141 359.9
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2862 112.7
18	Clearance w/horizontal lift arms and fork level	mm in	1897.7 74.7
19	Reach @ full lift and fork level	mm in	2092.8 82.4
20	Max. discharge angle from horizontal	deg rad	45 0.8

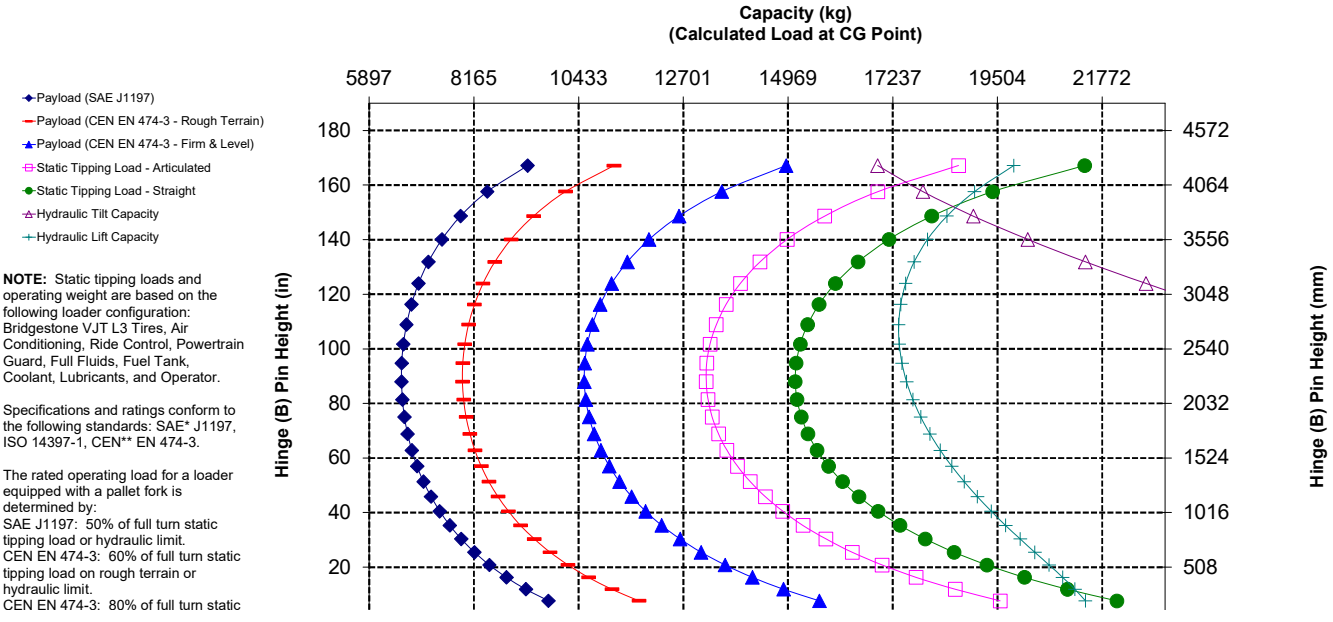
*Negative values indicate below grade

966 LOG

Logging Fork, Pin-On — **63" Tine** — **398-4960**

*Build 14A
*Z-Bar Linkage
*Logging Configuration





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

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

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

Fork Specifications

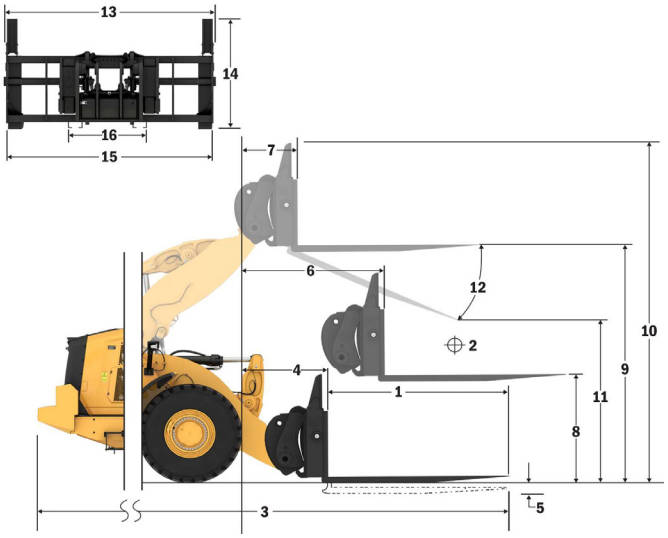
Fork Specifications

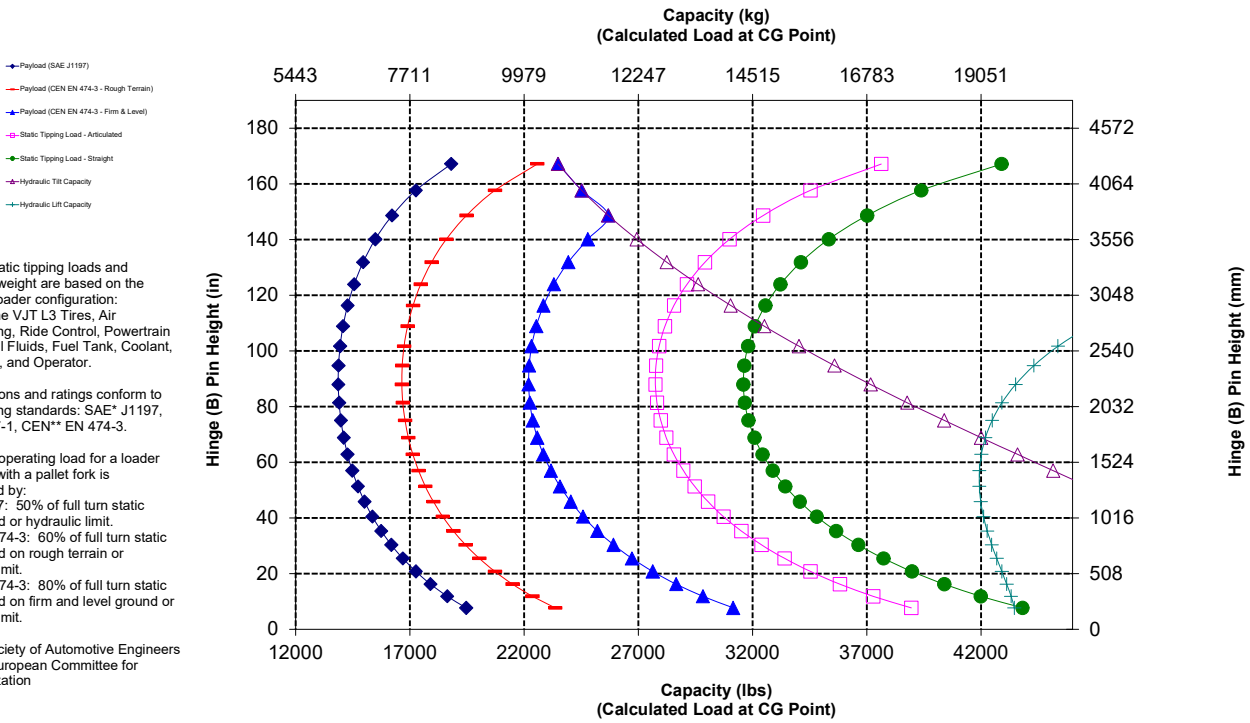
1	Tine Length	mm in	1524 60.0
2	Load Center	mm in	762 30.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14329 31582
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12586 27740
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6293 13870
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7552 16644
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10069 22192
3	Maximum Overall Length	mm in	9521 374.8
4	Reach with Forks at Ground Level	mm in	1120 44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1728 68.0
7	Reach with Fork at Maximum Height	mm in	860 33.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1968 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4052 159.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5562 219.0
11	Clearance at Full Lift and Max Dump	mm in	2600 102.4
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2176 85.7
14	Overall Carriage Height	mm in	1601 63.0
15	Outside Tine Width (max spread)	mm in	2084 82.0
16	Outside Tine Width (min spread)	mm in	1002 39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15906 35057
	Operating Weight	kg lbs	24120 53161

*Negative values indicate below grade

966 LOG

Log & Lumber No Clamp, FUSION — **60" Tine 435-4634**





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

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

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

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

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

966 XE Forestry Machine Specifications

Fork Specifications

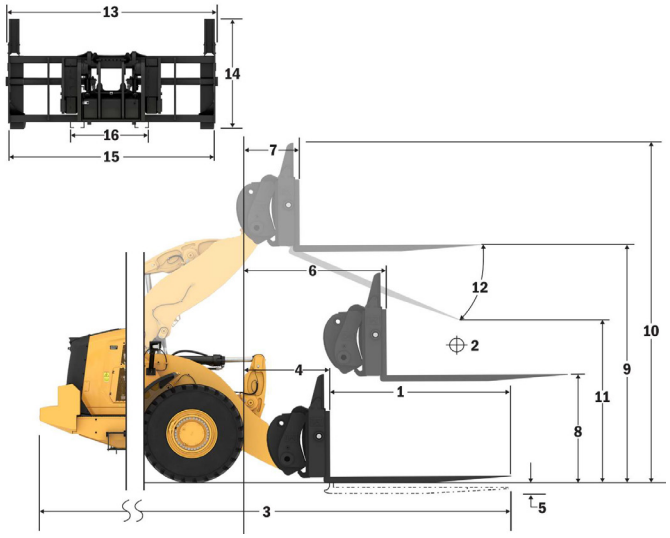
Fork Specifications

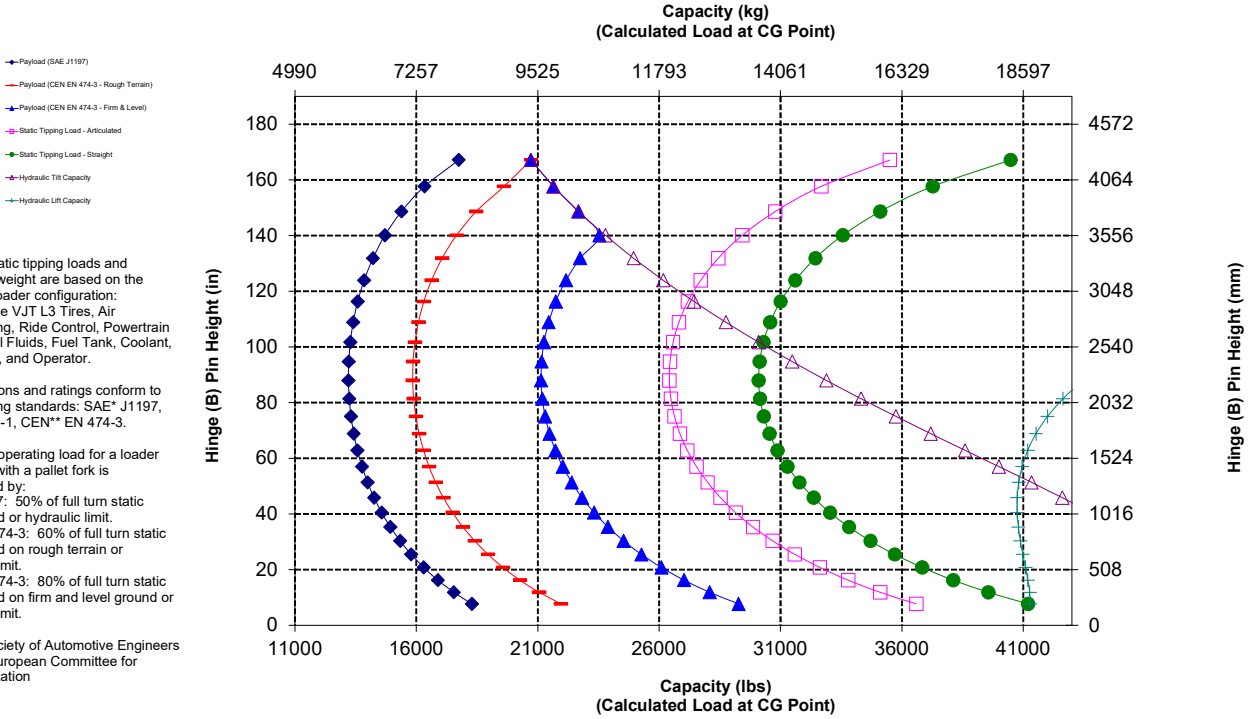
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13653 30091
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11985 26415
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5992 13207
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7191 15849
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9398 20714
3	Maximum Overall Length	mm in	9826 386.8
4	Reach with Forks at Ground Level	mm in	1120 44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1728 68.0
7	Reach with Fork at Maximum Height	mm in	860 33.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1968 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4052 159.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5562 219.0
11	Clearance at Full Lift and Max Dump	mm in	2377 93.6
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2176 85.7
14	Overall Carriage Height	mm in	1601 63.0
15	Outside Tine Width (max spread)	mm in	2084 82.0
16	Outside Tine Width (min spread)	mm in	1002 39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12600 27770
	Operating Weight	kg lbs	24182 53297

*Negative values indicate below grade

966 LOG

Log & Lumber No Clamp, FUSION — **72" Tine 435-4684**





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

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

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

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**CEN - European Committee for Standardization

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

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12443 27425
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10907 24040
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5454 12020
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6544 14424
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7545 16630
3	Maximum Overall Length	mm in	10435 410.8
4	Reach with Forks at Ground Level	mm in	1121 44.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-88 -3.5
6	Reach with Arms Horizontal and Forks Level	mm in	1728 68.0
7	Reach with Fork at Maximum Height	mm in	861 33.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1968 77.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4052 159.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5562 219.0
11	Clearance at Full Lift and Max Dump	mm in	1932 76.1
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2176 85.7
14	Overall Carriage Height	mm in	1601 63.0
15	Outside Tine Width (max spread)	mm in	2084 82.0
16	Outside Tine Width (min spread)	mm in	1002 39.4
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	10100 22260
	Operating Weight	kg lbs	24310 53579

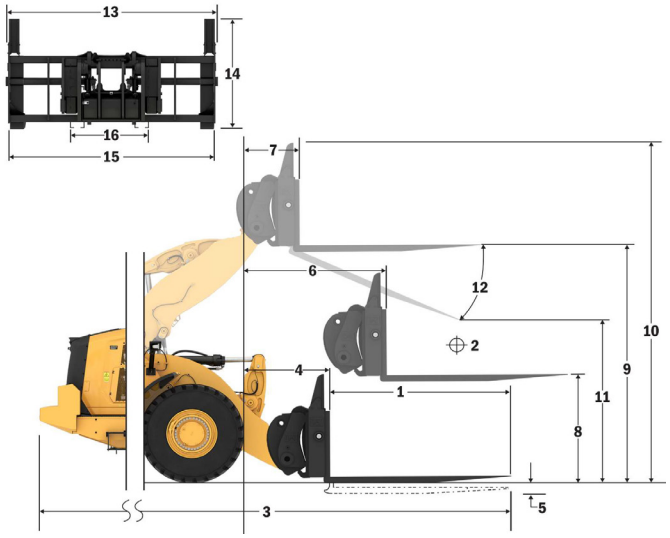
*Negative values indicate below grade

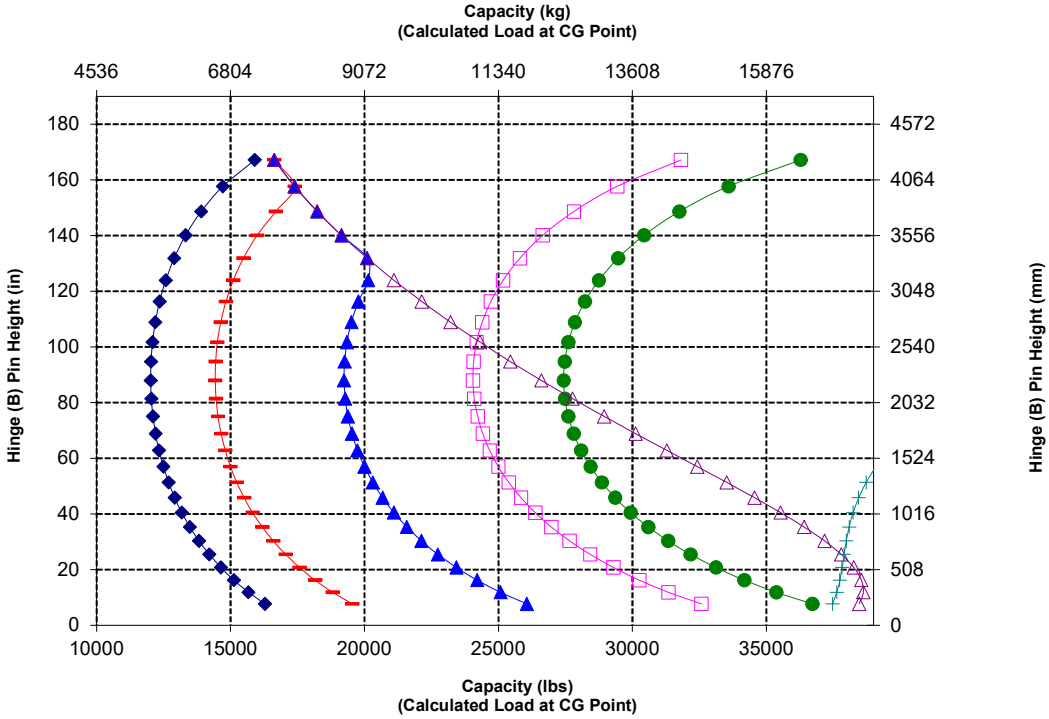
966 LOG

Log & Lumber No Clamp, FUSION

96" Tine

435-4686





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

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

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

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**CEN - European Committee for Standardization

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

966 XE Forestry Machine Specifications

Fork Specifications

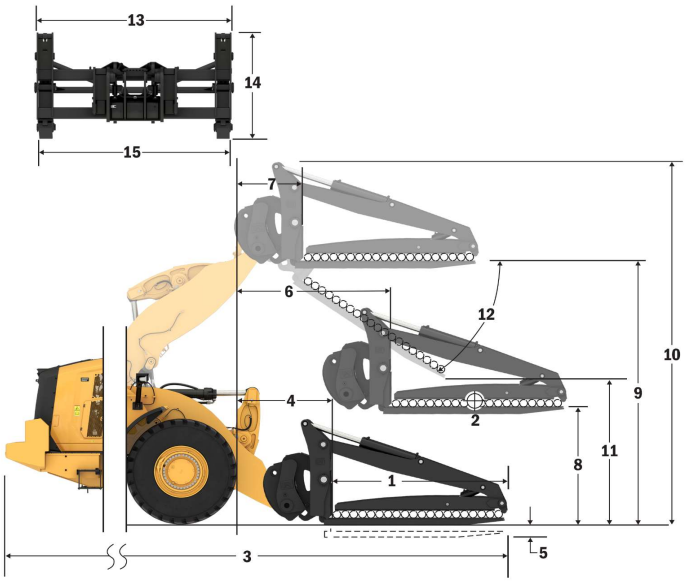
Fork Specifications

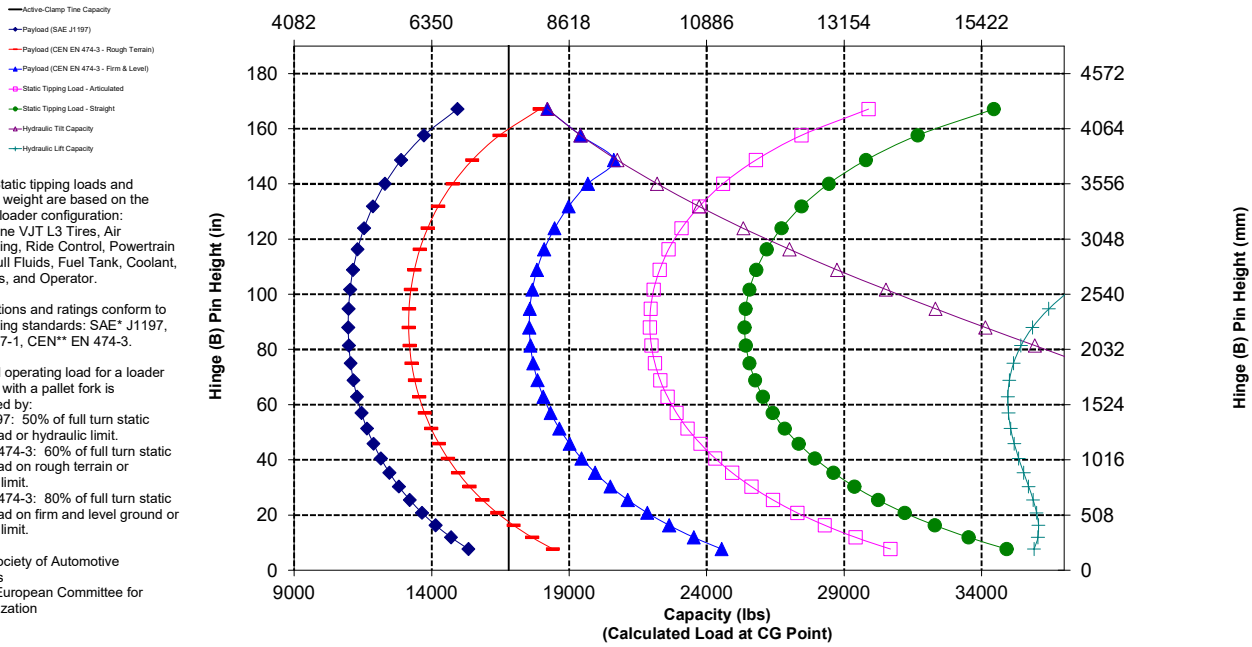
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11511 25370
	Static Tipping Load - Articulated (Forks Level)	kg lbs	9950 21930
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4975 10965
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5970 13158
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7960 17544
3	Maximum Overall Length	mm in	10406 409.7
4	Reach with Forks at Ground Level	mm in	1091 42.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-109 -4.3
6	Reach with Arms Horizontal and Forks Level	mm in	1682 66.2
7	Reach with Fork at Maximum Height	mm in	815 32.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1947 76.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4031 158.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5493 216.3
11	Clearance at Full Lift and Max Dump	mm in	2016 79.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	3131 123.3
14	Overall Carriage Height	mm in	1553 61.1
15	Outside Tine Width (max spread)	mm in	2991 117.8
16	Outside Tine Width (min spread)	mm in	2991 117.8
	Tine Width (single tine)	mm in	200.0 7.9
	Tine Thickness	mm in	90.0 3.5
	Operating Weight	kg lbs	25315 55794
	Active-Clamp Tine Lift Capacity	kg lbs	7621 16796
	Tine Capacity	kg lbs	12701 27993

*Negative values indicate below grade

966 LOG

Pipe & Pole 3" Row, Pin-On — **96" Tine** **447-9939**





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

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

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

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**CEN - European Committee for Standardization

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

WARNING: When clamp is continuously supplied with 15513 kPa (2250 psi), tine rating is 7621 kg (16796 lbs.) at 1219 mm (48") load center per pair.

Fork Specifications

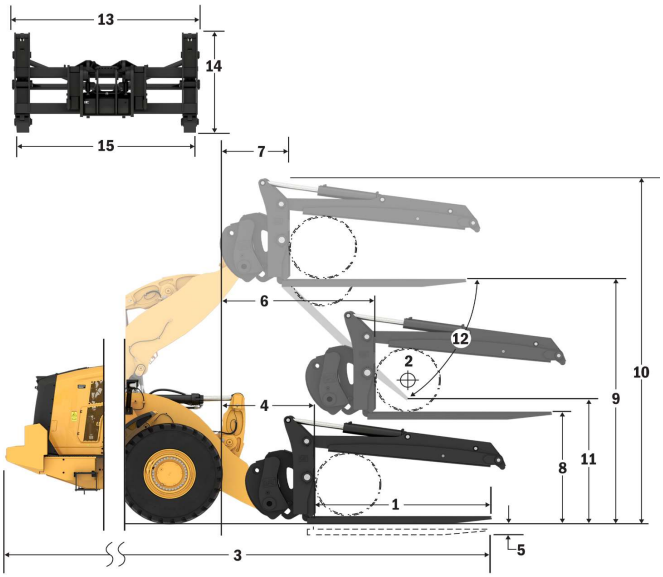
Fork Specifications

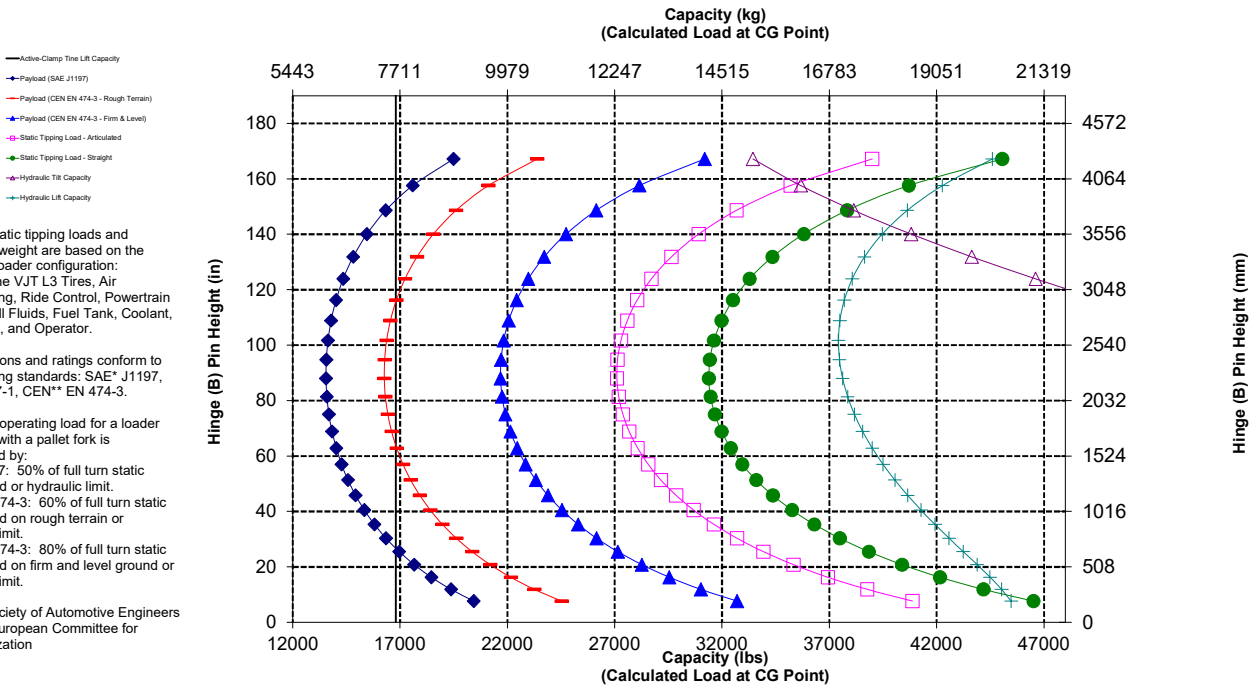
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14236 31377
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12295 27098
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6147 13549
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7377 16259
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9836 21678
3	Maximum Overall Length	mm in	10406 409.7
4	Reach with Forks at Ground Level	mm in	1091 42.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-109 -4.3
6	Reach with Arms Horizontal and Forks Level	mm in	1682 66.2
7	Reach with Fork at Maximum Height	mm in	815 32.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1947 76.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4031 158.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5493 216.3
11	Clearance at Full Lift and Max Dump	mm in	2016 79.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	3131 123.3
14	Overall Carriage Height	mm in	1553 61.1
15	Outside Tine Width (max spread)	mm in	2991 117.8
16	Outside Tine Width (min spread)	mm in	2991 117.8
	Tine Width (single tine)	mm in	200.0 7.9
	Tine Thickness	mm in	90.0 3.5
	Operating Weight	kg lbs	25315 55794
	Active-Clamp Tine Lift Capacity	kg lbs	7621 16796
	Tine Capacity	kg lbs	12701 27993

*Negative values indicate below grade

966 LOG

Pipe & Pole 30" Row, Pin-On — **96" Tine** — **447-9939**





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

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

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

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**CEN - European Committee for Standardization

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

WARNING: When clamp is continuously supplied with 15513 kPa (2250 psi), tine rating is 7621 kg (16796 lbs.) at 1219 mm (48") load center per pair.

966 XE Forestry Machine Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	11865 26151
	Static Tipping Load - Articulated (Forks Level)	kg lbs	10310 22724
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5155 11362
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6186 13634
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8248 18179
3	Maximum Overall Length	mm in	10406 409.7
4	Reach with Forks at Ground Level	mm in	1091 42.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-109 -4.3
6	Reach with Arms Horizontal and Forks Level	mm in	1682 66.2
7	Reach with Fork at Maximum Height	mm in	815 32.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	1947 76.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4031 158.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	7103 279.7
11	Clearance at Full Lift and Max Dump	mm in	2016 79.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	3131 123.3
14	Overall Carriage Height	mm in	3163 124.5
15	Outside Tine Width (max spread)	mm in	2991 117.8
16	Outside Tine Width (min spread)	mm in	2991 117.8
	Tine Width (single tine)	mm in	200.0 7.9
	Tine Thickness	mm in	90.0 3.5
	Operating Weight	kg lbs	25315 55794
	Tine Capacity	kg lbs	12701 27993

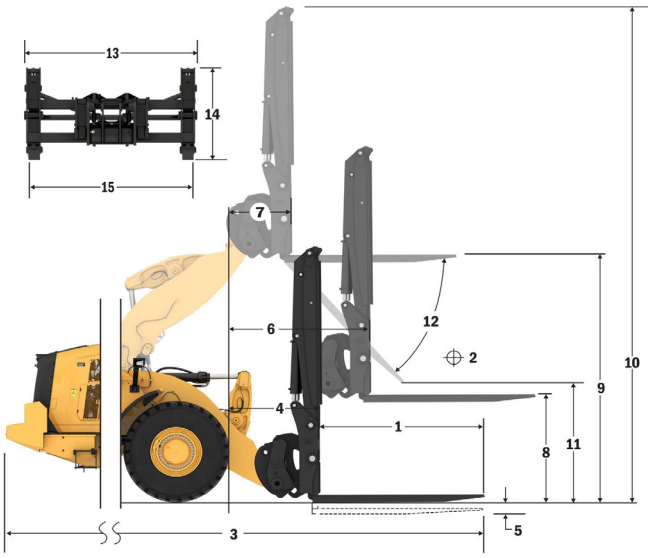
*Negative values indicate below grade

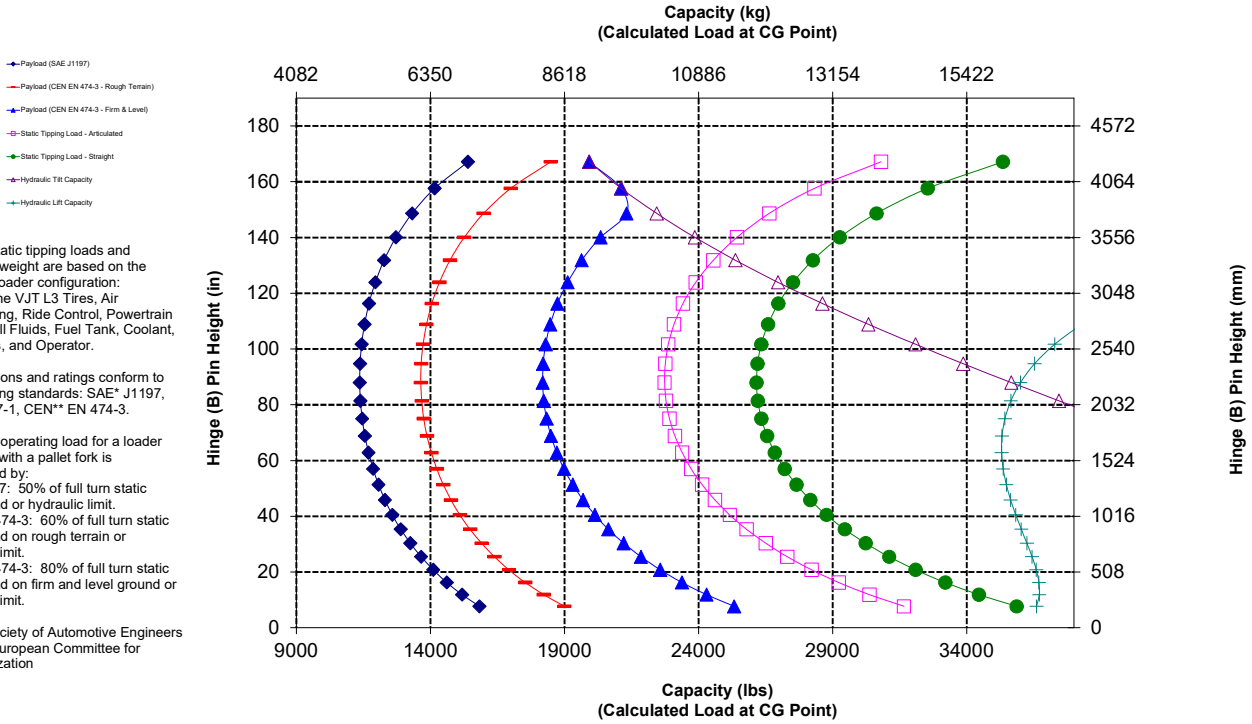
966 LOG

Pipe & Pole Open Clamp, Pin-On

96" Tine

447-9939





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

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

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

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

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

Fork Specifications

Fork Specifications

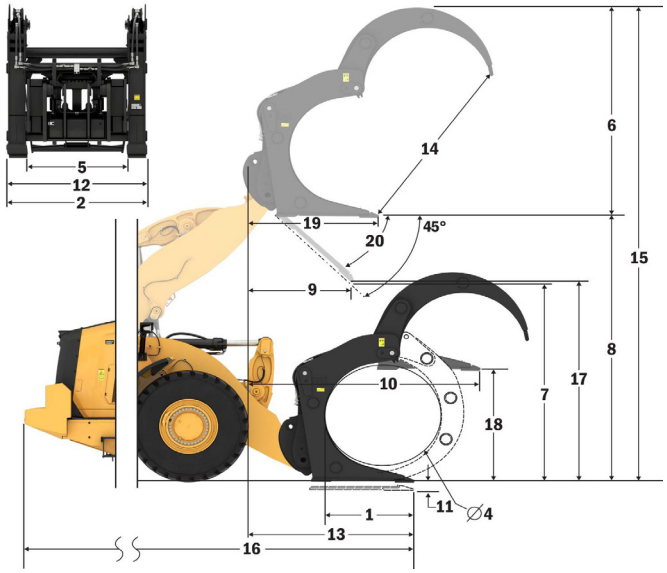
1	Tine length	mm in	1221 48.1
2	Fork width	mm in	1943 76.5
	End area	m2 ft2	3.1 33
3	Inside Height (only applies to double top clamp)	mm in	0 0
4	Min. opening (only applies to millyard forks)	mm in	1390 55
	Operating Weight	kg lbs	24892 54877
5	Distance inside of tine tips	mm in	1402 55
	Static tipping load, articulated Fork level	kg lbs	12221 26942.2
	Static tipping load, straight Fork level	kg lbs	14033 30937.5
6	Max. height of fork (w/clamp open if applicable)	mm in	3762 148.1
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	3086 121.5
8	Clearance @ full lift fork level	mm in	3925 154.5
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1103 43.4
10	Reach w/lift arm horizontal and fork level	mm in	2584 101.7
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-125 -4.9
12	Width over tines	mm in	1938 76.3
13	Reach @ ground level	mm in	1934 76
14	Max. opening across tine and clamp	mm in	3465 136.4
15	Overall height of fork @ full lift and clamp open	mm in	7687 302.7
16	Overall length Tip of tine to rear of machine	mm in	8810 346.9
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	3088 121.6
18	Clearance w/horizontal lift arms and fork level	mm in	1842.0 72.5
19	Reach @ full lift and fork level	mm in	1716.2 67.6
20	Max. discharge angle from horizontal	deg rad	45 0.8

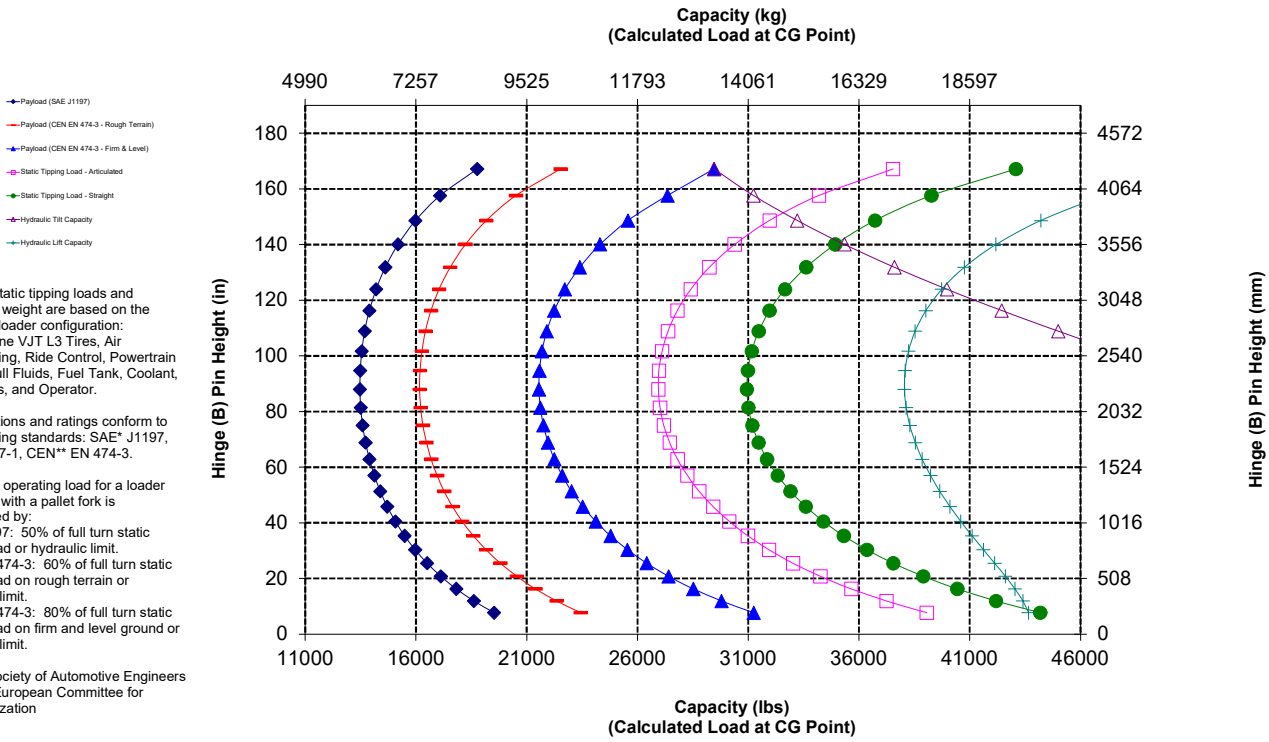
*Negative values indicate below grade

966 LOG

48" Tine

Grapple, Pin-On **448-9058**





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

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

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

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Fork Specifications

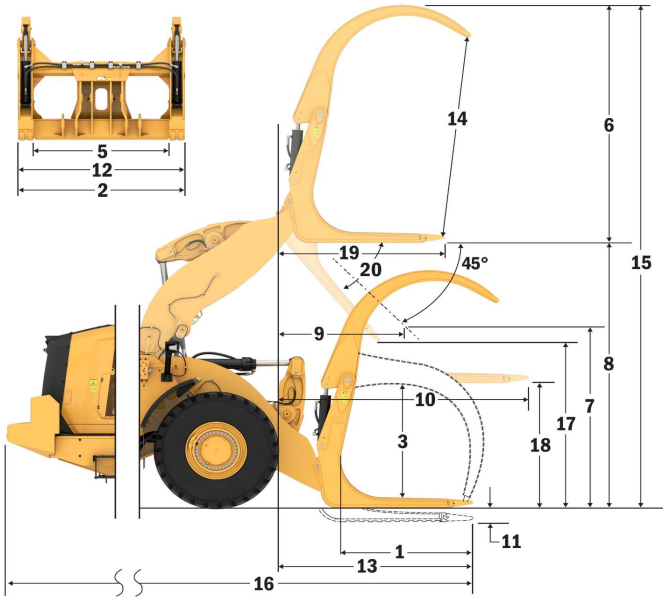
Fork Specifications

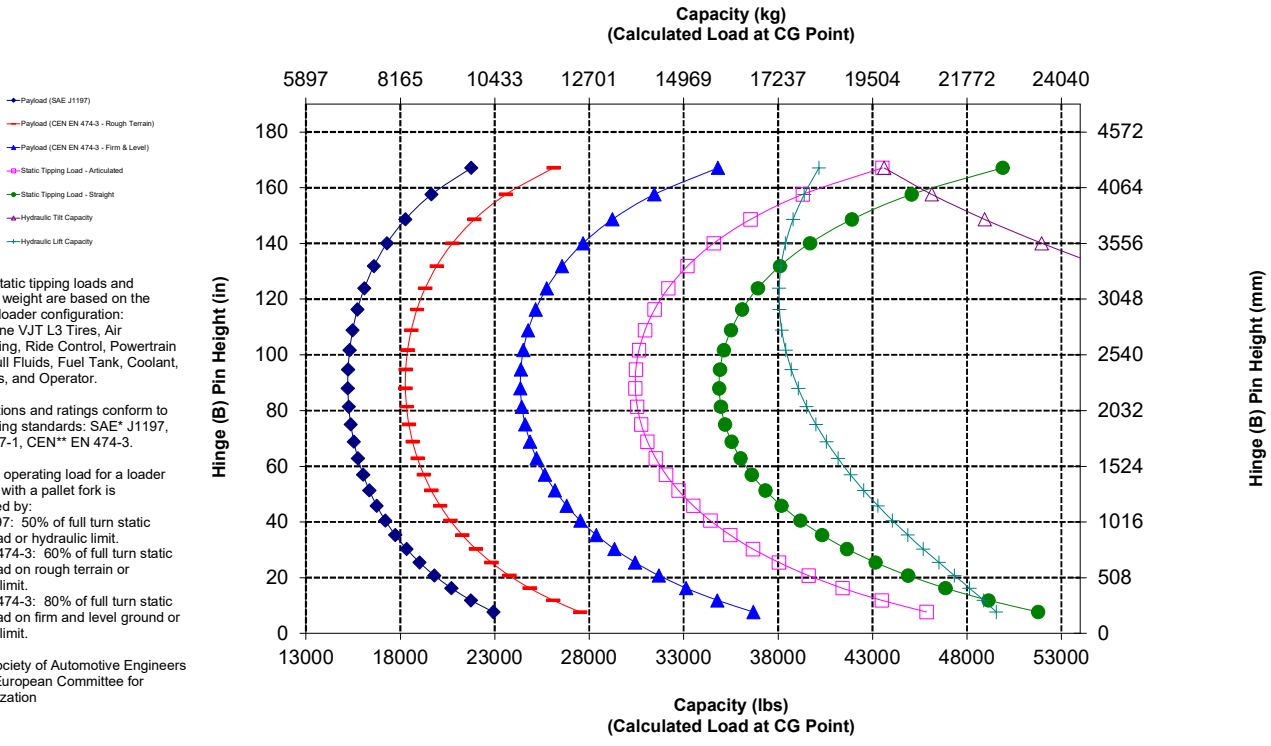
1	Tine length	mm in	1611 63.4
2	Fork width	mm in	2500 98.4
	End area	m2 ft2	1.42 15
3	Inside Height (only applies to double top clamp)	mm in	1259 50
4	Min. opening (only applies to millyard forks)	mm in	N/A N/A
	Operating Weight	kg lbs	24840 54762
5	Distance inside of tine tips	mm in	1892 74
	Static tipping load, articulated Fork level	kg lbs	13809 30443.1
	Static tipping load, straight Fork level	kg lbs	15820 34876.0
6	Max. height of fork (w/clamp open if applicable)	mm in	2700 106.3
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2857 112.5
8	Clearance @ full lift fork level	mm in	3981 156.7
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1410 55.5
10	Reach w/lift arm horizontal and fork level	mm in	2962 116.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-69 -2.7
12	Width over tines	mm in	2414 95.0
13	Reach @ ground level	mm in	2267 89
14	Max. opening across tine and clamp	mm in	2493 98.1
15	Overall height of fork @ full lift and clamp open	mm in	6680 263.0
16	Overall length Tip of tine to rear of machine	mm in	9143 360.0
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2861 112.6
18	Clearance w/horizontal lift arms and fork level	mm in	1897.5 74.7
19	Reach @ full lift and fork level	mm in	2094.8 82.5
20	Max. discharge angle from horizontal	deg rad	45 0.8

*Negative values indicate below grade

966 LOG

Logging Fork, Pin-On — **63" Tine** — **472-1174**





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

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

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

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**CEN - European Committee for Standardization

Fork Specifications

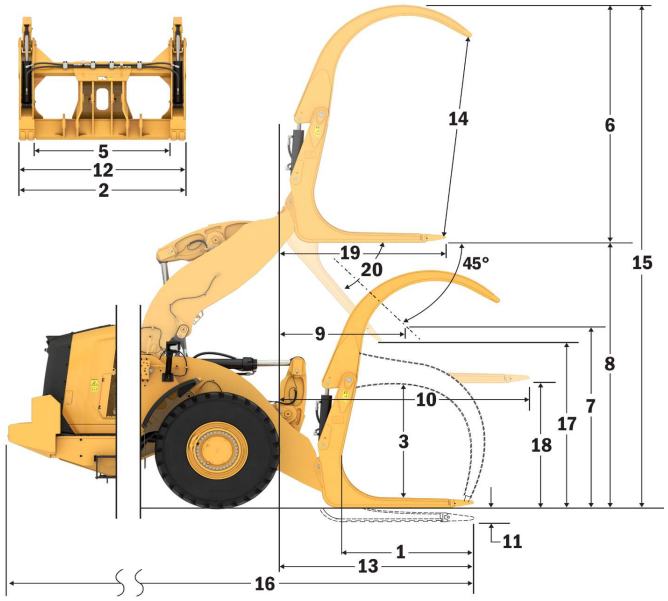
Fork Specifications

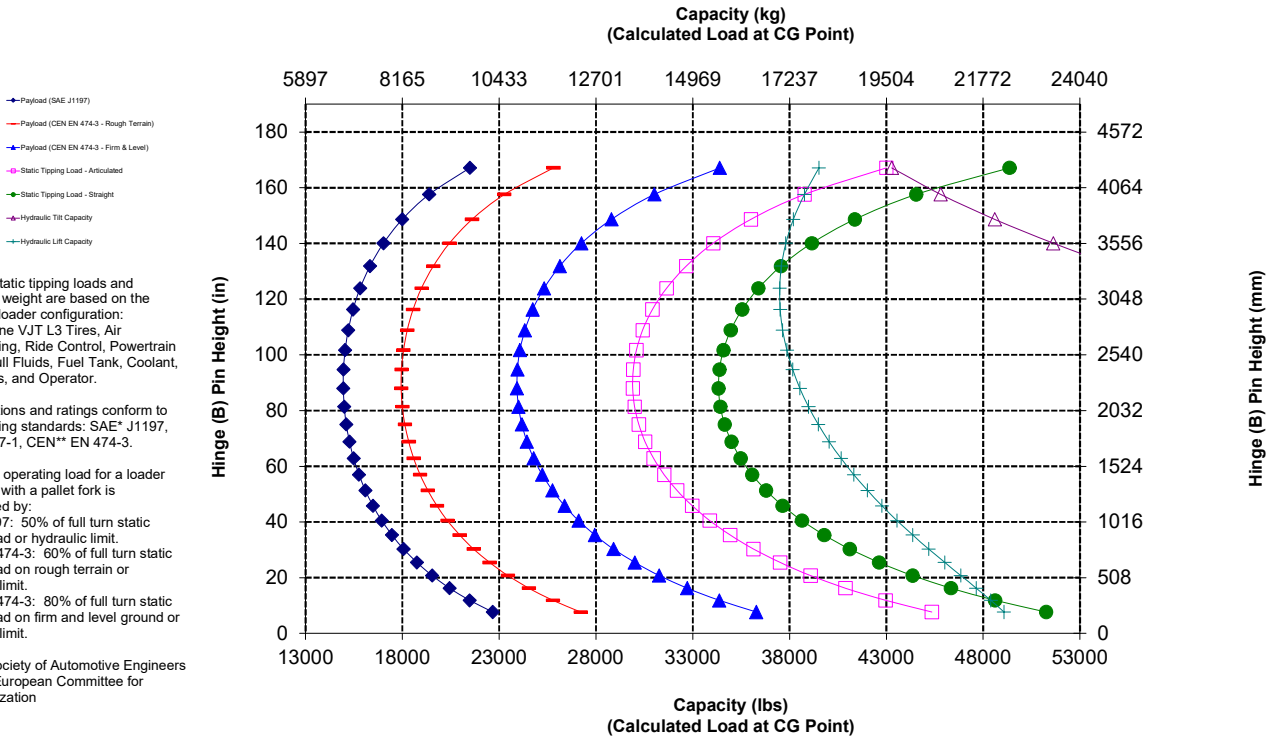
1	Tine length	mm in	1611 63.4
2	Fork width	mm in	2500 98.4
	End area	m2 ft2	1.42 15
3	Inside Height (only applies to double top clamp)	mm in	1259 50
4	Min. opening (only applies to millyard forks)	mm in	N/A N/A
	Operating Weight	kg lbs	25114 55367
5	Distance inside of tine tips	mm in	1892 74
	Static tipping load, articulated Fork level	kg lbs	13562 29899.3
	Static tipping load, straight Fork level	kg lbs	15573 34332.4
6	Max. height of fork (w/clamp open if applicable)	mm in	2700 106.3
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2857 112.5
8	Clearance @ full lift fork level	mm in	3981 156.7
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1410 55.5
10	Reach w/lift arm horizontal and fork level	mm in	2962 116.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-69 -2.7
12	Width over tines	mm in	2414 95.0
13	Reach @ ground level	mm in	2267 89
14	Max. opening across tine and clamp	mm in	2493 98.1
15	Overall height of fork @ full lift and clamp open	mm in	6680 263.0
16	Overall length Tip of tine to rear of machine	mm in	9143 360.0
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2861 112.6
18	Clearance w/horizontal lift arms and fork level	mm in	1897.5 74.7
19	Reach @ full lift and fork level	mm in	2094.8 82.5
20	Max. discharge angle from horizontal	deg rad	45 0.8

*Negative values indicate below grade

966 LOG

Logging Fork, Pin-On — **63" Tine** — **472-4662**





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

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

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

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**CEN - European Committee for Standardization

Fork Specifications

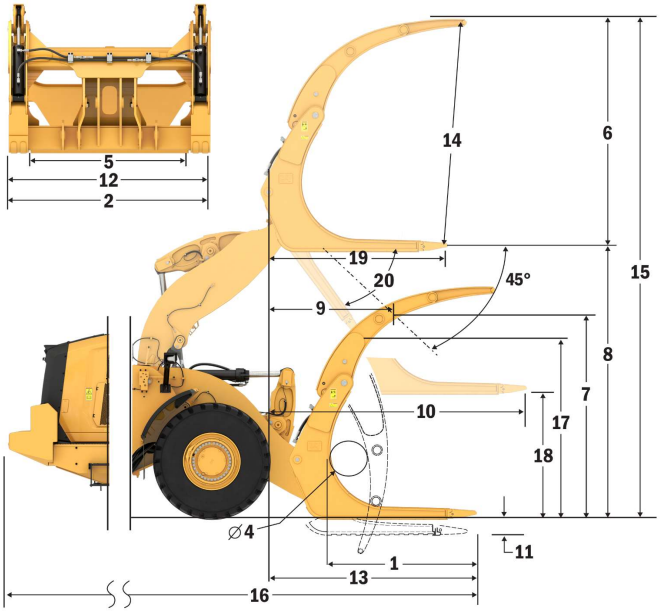
Fork Specifications

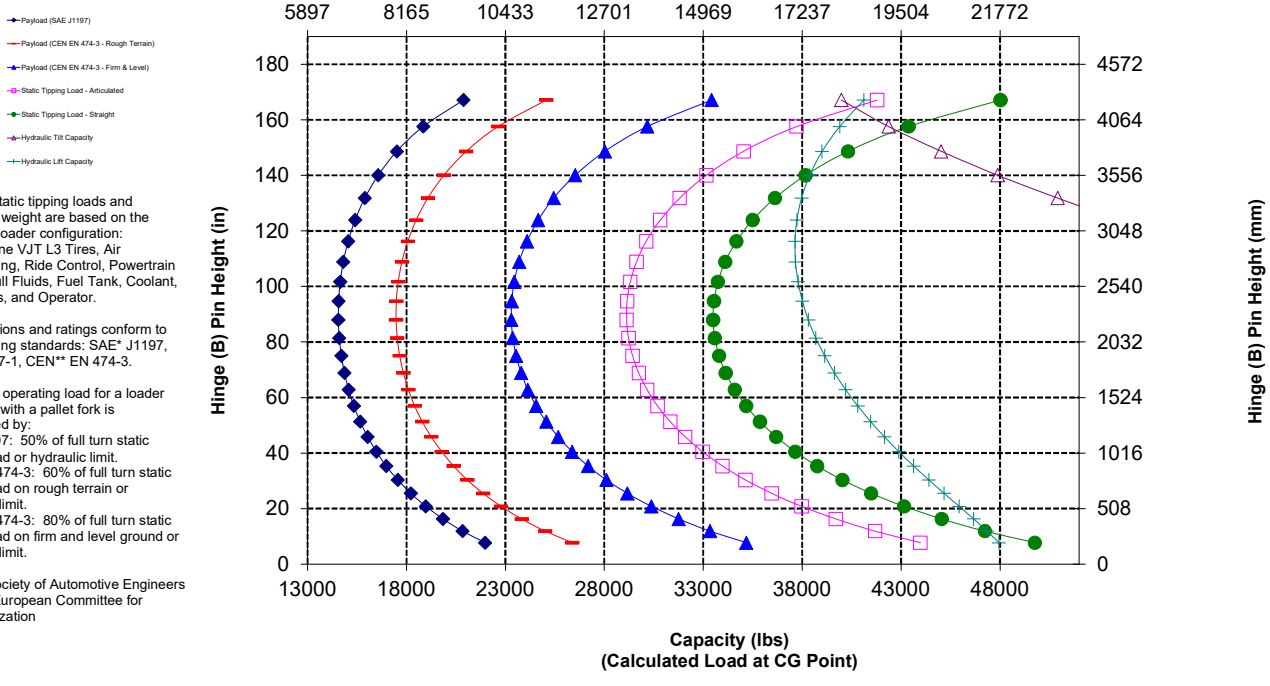
1	Tine length	mm in	1611 63.4
2	Fork width	mm in	2508 98.8
	End area	m2 ft2	1.59 17
3	Inside Height (only applies to double top clamp)	mm in	0 0
4	Min. opening (only applies to millyard forks)	mm in	662 26
	Operating Weight	kg lbs	25144 55433
5	Distance inside of tine tips	mm in	1907 75
	Static tipping load, articulated Fork level	kg lbs	13212 29126.4
	Static tipping load, straight Fork level	kg lbs	15193 33495.2
6	Max. height of fork (w/clamp open if applicable)	mm in	2805 110.4
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2857 112.5
8	Clearance @ full lift fork level	mm in	3981 156.7
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1410 55.5
10	Reach w/lift arm horizontal and fork level	mm in	2962 116.6
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-69 -2.7
12	Width over tines	mm in	2413 95.0
13	Reach @ ground level	mm in	2267 89
14	Max. opening across tine and clamp	mm in	2727 107.4
15	Overall height of fork @ full lift and clamp open	mm in	6786 267.2
16	Overall length Tip of tine to rear of machine	mm in	9143 360.0
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2861 112.6
18	Clearance w/horizontal lift arms and fork level	mm in	1897.8 74.7
19	Reach @ full lift and fork level	mm in	2095.0 82.5
20	Max. discharge angle from horizontal	deg rad	45 0.8

*Negative values indicate below grade

966 LOG

Millyard Fork, Pin-On — **63" Tine** — **506-1946**





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

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

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

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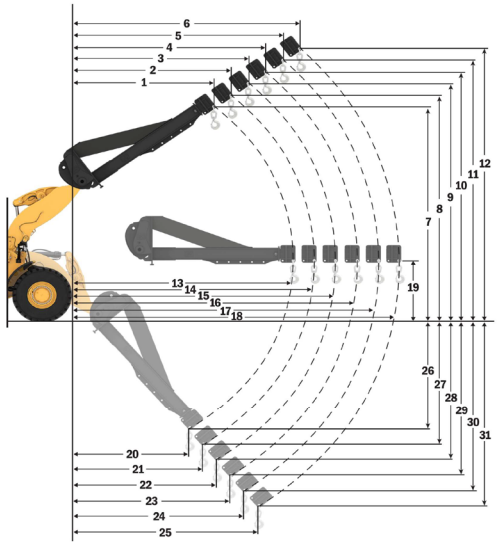
**CEN - European Committee for Standardization

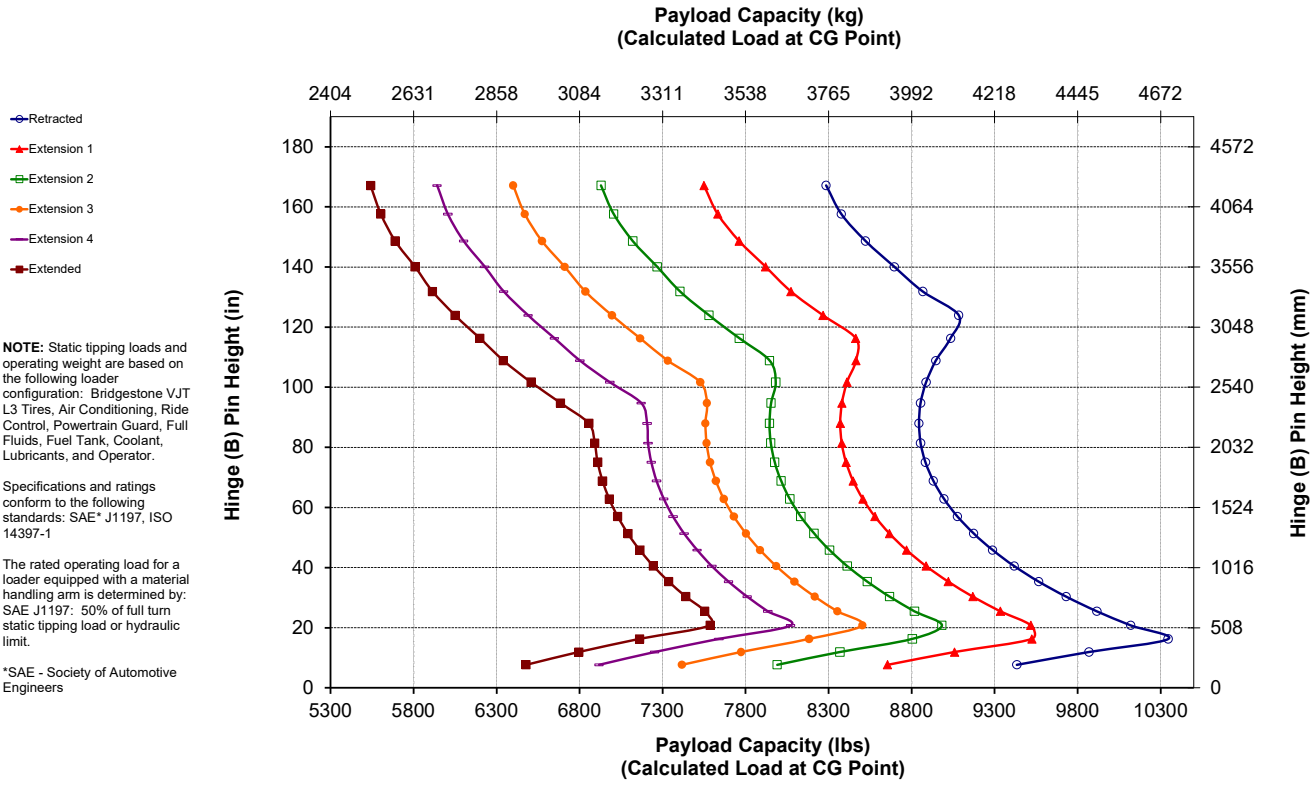
Material Handling Arm Specifications

966 LOG

Fusion Material Handling Arm **6Pos**

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	mm	1,823	1,936	2,049	2,162	2,275	2,388
	ft, in	5' 11"	6' 4"	6' 8"	7' 1"	7' 5"	7' 10"
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	mm	7,218	7,501	7,784	8,067	8,350	8,633
	ft, in	23' 8"	24' 7"	25' 6"	26' 5"	27' 4"	28' 3"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,553	4,858	5,162	5,467	5,772	6,077
	ft, in	14' 11"	15' 11"	16' 11"	17' 11"	18' 11"	19' 11"
Level - Hook Height (19)	mm	1,937	1,937	1,937	1,937	1,937	1,937
	ft, in	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"	6' 4.2"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	1,720	1,852	1,983	2,114	2,245	2,377
	ft, in	5' 7"	6' 0"	6' 6"	6' 11"	7' 4"	7' 9"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,871)	(3,146)	(3,421)	(3,696)	(3,971)	(4,246)
	ft, in	-9' 6"	-10' 8"	-11' 9"	-12' 10"	-13' 11"	-13' 0"
Static Tipping Load, Straight	kg	9,131	8,641	8,200	7,801	7,438	7,107
	lb	20,125	19,045	18,073	17,193	16,394	15,663
Static Tipping Load, Articulated	kg	8,060	7,627	7,237	6,885	6,564	6,271
	lb	17,765	16,810	15,951	15,174	14,467	13,821
Operating Weight	kg	23,488	23,488	23,488	23,488	23,488	23,488
	lb	51,767	51,767	51,767	51,767	51,767	51,767





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

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

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966 XE

Corrosion Resistant

The Cat® 966 XE Wheel Loader Corrosion Resistant Package adds real value in protecting your machine investment. An industry-unique factory treatment provides more protection for all machine components that can be affected by corrosive materials. It's designed for improving reliability and durability in demanding corrosive environments such as fertilizer plants, chemical industries, agriculture, saltwater ports, and others.

Proven Reliability

- Cat C9.3B engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF), and Diesel Exhaust Fluid (DEF) tank and pump.
- Features an electric fuel priming pump, fuel-water separator, and secondary fuel filter.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Corrosion Resistant package includes silicon protection applied to all electrical terminals: alternator, engine starter, engine ground cable, and battery cables to maximize component life.
- Exposed electrical connectors are treated with shrinkable heat tube.
- Heavy-duty brushless alternator is utilized for increased durability.
- Optional paint protection that is more than two times the thickness of the standard paint. Extra primer coats are applied before the final polyurethane topcoat.
- Heavy-duty axles are designed to handle extreme applications.

Superior Fuel Efficiency and Productivity

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

Safety Features

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

Reduced Maintenance Time and Costs

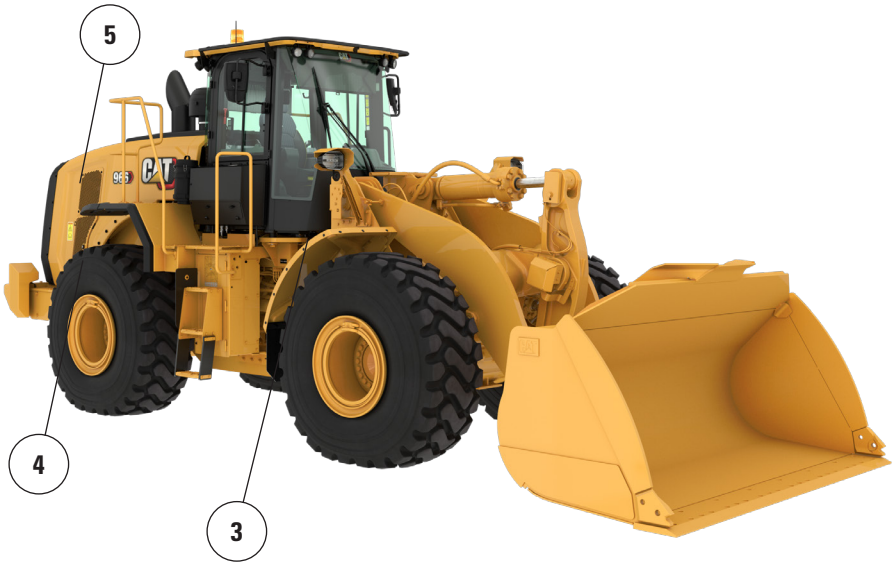
- Extended fluid and filter change intervals help to reduce maintenance costs.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up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

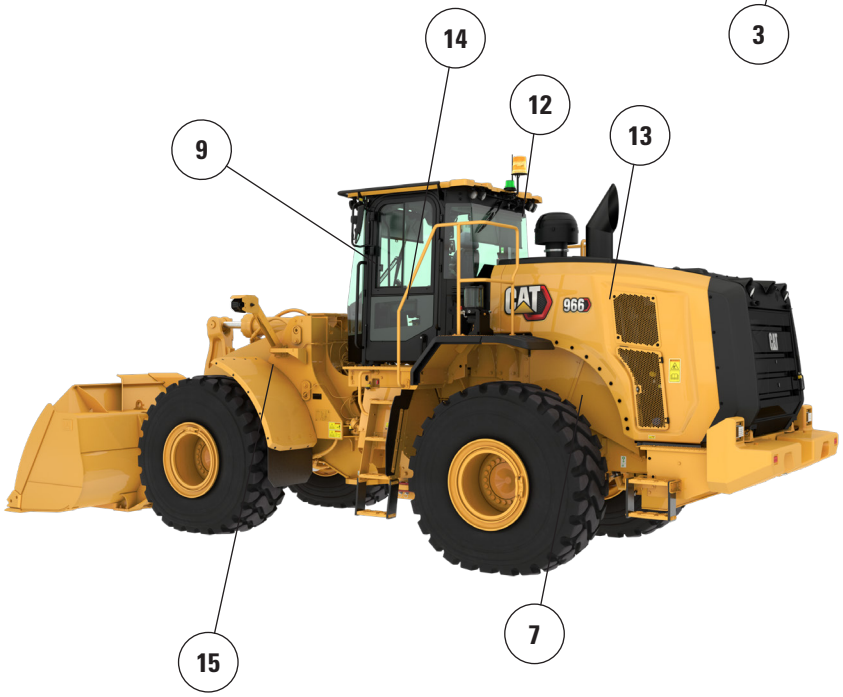
Work in Comfort in the All New Cab

- 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.

966 XE Corrosion Resistant Features

1. Silicon protection applied to all electric terminals
2. Shrinkable heat-tube on exposed electrical connectors
3. Zerust vapor capsules in electrical compartments
4. Grease points on hood articulation pins
5. Optional corrosion resistant cooling package: E-coated cooling cores, heavy-duty latch, and greaseable hinges
6. Optional hydraulic system protection that includes silicone sealant and heat shrinkable tubing over the couplings





7. Heavy-duty brushless alternator
8. Sealed disconnect switch
9. Grease points on the cab door hinges
10. Additional coats of paint. Extra primer coats are applied before the final polyurethane topcoat
11. Varnish protection applied to under hood components
12. Optional turbine precleaner
13. Optional variable pitch fan
14. Optional autolube system
15. Anti-corrosion transmission fill cover

Note: For machine performance data please refer to page 7.

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.

AEXQ4420-00 (11-2025)
Build Number: 14C
(N Am, Europe, Aus-NZ,
Türkiye, Chile, Colombia)